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U. S. DEPARTMENT OF AGRICULTURE,

WEATHER BUREAU.

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# INSTRUCTIONS

FOR

# PREPARING METEOROLOGICAL FORMS.

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## DIVISION OF CLIMATE AND CROP WEATHER.

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WASHINGTON:
GOVERNMENT PRINTING OFFICE.
1933. 8—154

# INSTRUCTIONS

FOR

# PREPARING METEOROLOGICAL FORMS

## DIVISION OF CLIMATE AND CROP WEATHER

1. METEOROLOGICAL FORMS, WHEN MAILED.—Forms No. 1001, No. 1015, No. 1017, No. 1068, No. 1072, No. 1073, No. 1074, No. 1075, and No. 1083, not later than the 10th; Form No. 1030, 1st, except when that date falls on Sunday it will be issued on the 2d; Forms No. 1002 and No. 1003, as soon as the correction letter for December Form No. 1001 is received.

2. When any form can not be mailed on the prescribed date, an explanation of the cause of delay will be forwarded to the Central Office on the day that it should have been mailed.

3. The barograph and thermograph traces, and Forms No. 1015 and No. 1017 will include the record for the last day of the month.

4. It is the policy of the Central Office not to surrender custody of any form that can not be duplicated after it has been received. The official in charge is therefore enjoined to see to it that all data required are extracted before such forms are mailed.

5. In forwarding the above-named forms to the Central Office write on the lower left-hand corner of the envelope, "Forms for Division of Climate and Crop Weather."

6. In preparing Forms No. 1001, No. 1015, No. 1017, No. 1083, and barograph and thermograph trace sheets for mailing, the sheets will be arranged chronologically and fastened together with a Dennison or similar paper fastener.

7. Errors will be charged as follows: (1) Each original correction made in the examination will be counted as one error, but supplementary errors resulting from the original entry will not be charged. (2) A failure to comply with any instructions will be counted as one error when it has been clearly shown that such instructions have been received at the station. (3) If an observer has been charged with an error for failure to comply with any instructions, and again fails to do so on forms for succeeding months, he will be charged with an error for each erroneous entry in the form caused by his disregard for the instructions in question. (4) Errors of omission will be counted in the same manner as errors of commission.

8. An original error made in taking, reducing, or recording an observation or in transcribing data from Form No. 1083, will be charged equally between the person taking the observation and the one who checks the data (one-half to each).

9. Officials in charge may assign an assistant of ability and trustworthiness to be responsible for the accuracy of Form No. 1001 in so far as relates to all matters of copying, compiling, computing, etc., but in all questions of judgment, where it is necessary to put a construction upon an order, ruling, etc., the matter will be decided by the official in charge.

10. Any assistant may be responsible for pages 4, 5, 6, 7, 11, and 13, of Form No. 1001, and Forms No. 1002 and No. 1003. This will give a careful assistant opportunity to make a record for accuracy, besides relieving the official in charge to some extent. The official in charge of the station, however, must continue to exercise general supervision over the meteorological work of his assistants, examining and checking it as frequently as may be necessary, and will be held jointly responsible with them for the general appearance and accuracy of all forms. He also will be held directly responsible for errors that can be detected by a cursory examination, and if the number of errors made at his station be unduly large it will be considered evidence that he is not giving proper attention to this duty, and he will be censured conjointly with the assistant or assistants making the errors. Minor observers and student assistants will not be held responsible for any meteorological form without special permission.

11. The assistant preparing Form No. 1001 under the provisions of paragraph 9 will sign his name in the lower left-hand margin of page 9; those preparing pages 4, 5, 6, 7, 11, or 13 will sign on the lower left-hand margin of said pages.

12. Two persons will not sign as responsible for a page or form, except in case of sickness, absence, or relief from station, and then it will be stated for what portion each one is responsible.

13. An official relieved from charge of station or responsibility for forms will be held accountable for errors up to, but not including, the date of his relief. When so relieved he must plainly indicate on the forms the dates of his accountability.

14. Ditto marks (") will not be used in any form.

15. The station clock will be kept adjusted to the standard of time in local use.

16. All observations, with the exception of the 12 noon local mean time observation, will be taken on 75th meridian time, but the standard of time in local use will also be entered.

17. All instrumental records will be kept on the standard of time in local use.

18. All data on pages 2 and 3 of Form No. 1001, except days with light and dense fog, and the corresponding data on page 9, and all data on page 10, will be recorded in 75th meridian time. All other data, with the exception of the 12 noon local mean time observation, will be recorded in the standard of time in local use. Data on Form No. 1014, and the notes on Form No. 1083, unless otherwise noted, will be in the standard of time in local use.

**FORM No. 4012, MIS.**

19. Whenever an employee has reason to think that he has been wrongfully charged with errors, the correction letter will be returned at once, by indorsement, requesting a reexamination and stating what error or errors should not, in his opinion, be charged, with his reasons therefor. The matter will receive prompt and careful consideration, and should it be found that errors have been improperly charged they will be removed. If the errors



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19. (Continued.) With the exception of December, no Form 4012–Mis. will be sent to stations when there are no errors.



charged are accepted, the letter will invariably be signed by the person or persons whose names appear in the body of the letter; in case of absence of the employee who is responsible for the accuracy of the data, it will be signed by the official in charge and forwarded to the one to whom the error or errors have been charged, to be noted by him. The error letter will be returned to the Central Office through the section center. Employees are enjoined to see to it that all corrections indicated and all resulting changes are made in Forms No. 1001, No. 1002, and No. 1014, and the Climatological Record. The carbon copy of the letter which accompanies it will be filed as a letter received.

## FORM No. 1001.

20. This form will be kept clean, and all entries therein made in a neat, legible hand. The leaves should be separated for convenience in entering the data, but margins must not be trimmed.

21. Whenever, from any cause, an observation is not taken the reason therefor will be plainly written on the margin and a full report of the facts at once made to the Chief of the Weather Bureau.

22. If an observation has been taken late, it will be recorded in brackets with the exact time at which it was taken and used in computing all means and averages the same as if taken on schedule time, unless the conditions have changed since the time for the observation, in which case the probable conditions at the proper time of observation will be determined from the recording instruments by interpolation. These interpolated values will be entered in red ink above the late readings and used in all means and deductions.

23. An observer may be occasionally prevented by legitimate causes from taking an observation on time, but in such a case the observation will be taken as soon as possible and recorded as of the time at which it was actually taken and disposed of as provided in paragraph 22, and a full report of the facts at once made to the Chief of the Weather Bureau. This report will always receive proper consideration.

24. An observer guilty of falsifying the record by reporting observations as taken at prescribed hours which were not actually so taken, or in any other manner whatsoever, will be summarily and severely dealt with, regardless of previous record or length of service.

25. All observations entered on Form No. 1083 will be immediately copied in the proper spaces in Form No. 1001. The retained record will contain pages 2, 3, 8 (excepting beginnings and endings of precipitation), 9, 10, and 13, and must be kept up to date. All footings on pages 4, 5, 7, and 11 of Form No. 1001 that are required to be entered in Form No. 1002 will be copied in the retained Form No. 1002 before mailing Form No. 1001.

26. The observation will be begun 20 minutes before 8 o'clock, 75th meridian time. The cipher report should be filed at the telegraph office at 8 a. m. or p. m., 75th meridian time. The 12 noon local mean time observation will be begun exactly at that hour.

27. Instruments will be read and conditions noted in the following order: (1) Clouds, (2) state of weather, (3) maximum and minimum thermometers, (4) dry and wet thermometers (and thermograph noted), (5) anemoscope, (6) rain gage (or snow gage), (7) visibility, (8) register to anemometer, (9) attached thermometer to barometer, (10) barometer (and barograph noted).

28. Record on page 2, Form No. 1001, the visibility at each regular observation. Figures 0 to 9 of the international scale will be used for all entries. Visibility is the distance toward the horizon at which prominent objects, such as trees, buildings, chimneys, etc., can be seen and identified by the unaided eye. Each station should select several such objects, whose exact distances from the observational point are known, as reference points to be used in judging visibility. At stations where the distance at which prominent objects can be seen is limited by surrounding mountains or other obstructions, the clearness with which certain objects can be seen should be used as a basis for recording visibilities greater than the limiting distance. At night visibilities are determined by the distance at which lights can be seen and the clearness of the lights.

*International scale of visibility (0–9).*

| Scale | Distance | |
|---|---|---|
| 0 | 0–50 meters | 0–55 yards ~ 0-165 ft. |
| 1 | 50–200 meters | 55–220 yards 165-660 ft. |
| 2 | 200–500 meters | 220–550 yards 660-1650 ft. |
| 3 | 500–1,000 meters | 550–1,100 yards. 1650 - 3300 ft. |
| 4 | 1,000–2,000 meters | 1,100 yards–1¼ miles |
| 5 | 2,000–4,000 meters | 1¼–2½ miles |
| 6 | 4,000–10,000 meters. | 2½–6¼ miles |
| 7 | 10,000–20,000 meters | 6¼–12½ miles |
| 8 | 20,000–50,000 meters | 12½–31 miles |
| 9 | Over 50,000 meters | Over 31 miles |

29. All entries in this form must be made in black record ink except when otherwise directed. Red ink will not be used except in underscoring and when specially directed (see pars. 22, 59, 69, 91, and 221). On Forms No. 1001 and No. 1083 erroneous entries in columns for original readings should have an ink line drawn through them. The obliteration of any entry in columns for original readings on Forms No. 1001 and No. 1083 is prohibited.

30. Entries of direction of wind and clouds will be printed thus: N., NE., E., etc.

31. When crowded for room, notes will be put upon the margin.

32. All meteorological observations taken will be checked, so far as possible, the following day by the employee responsible for their accuracy.

33. The day of the week on which the month begins will be entered on the left-hand margin of page 8, opposite the first date.

### PRESSURE

34. Actual Elevation.—The height of the zero points of the barometers of a station above sea level. The elevations of instruments will be entered to whole feet on *all meteorological forms*, except Form No. 1058, when these data are required.

35. Station Elevation.—The elevation above sea level adopted for a station as a basis to which all pressure observations at the station are correlated. The elevation on January 1, 1900, was adopted as the station elevation for each one in operation on that date. For stations opened subsequently, the elevation of the barometer at the time of opening of station will be adopted as the station elevation.

36. Removal Correction.—When an office is moved to new quarters and the elevation of the barometer is thereby changed, a proper correction will be applied to the barometric readings in the new location that will reduce the observed readings to the pressure appropriate to the "station elevation." This removal correction will be included in the sum of corrections, Form No. 1059, furnished by the Instrument Division.

37. Sum of Corrections.—A term embracing all the corrections that are practically constant for a given instrument and in a given location, namely, the correction for scale errors, capillarity, gravity, and the removal correction. This sum is given on Form No. 1059, furnished for each instrument.

38. Total Correction.—The correction for temperature, plus the "sum of corrections" as defined above.

39. Observed Reading.—The direct result of the reading of an instrument, uncorrected for any errors.

40. The barometer should be read and recorded to the nearest thousandth of an inch, and the reading will be immediately entered on Form No. 1083 before the reductions are made.

41. Station Pressure.—Corrections for instrumental error, gravity, temperature, and removal, preceded by the proper algebraic signs, will be applied to the observed barometer readings. The correction for temperature will be obtained from the barometer correction cards, as follows: Find at the top of the card the observed height of the barometer, and in the column headed "Attached thermometer" the reading of the attached thermometer; the number at the intersection of these lines will be the correction to be applied. If the reading of the thermometer be less than 29° above zero, the correction will be added, and if 29° or more it will be subtracted. For barometer or attached thermometer readings not given in the table the temperature correction will be determined by interpolation. The sum of corrections for instrumental error, gravity, and removal will be applied to the correction for temperature before recording the latter. Example: Observed barometer reading, 29.512; attached thermometer, 62.0; sum of corrections, + .008. The temperature correction card gives a correction of − .089, to which add the sum of correction +.008 = −.081 to be used and recorded in column headed "Total correction."

42. If the position of the barometer be changed and the elevation increased, .001 inch will be added to the sum of corrections for each foot of increase; if the elevation be decreased, .001 will be subtracted for each foot of decrease. These corrections will be applied pending the receipt of new correction cards.

43. Reduced Pressure.—The reduced barometer will be taken directly from the special table supplied to each station and will be entered to hundredths only. The temperature argument, at stations making two observations daily, will be the mean of the current temperature and that at the preceding regular observation; at stations making but one observation daily it will be the mean of the current temperature and the corrected thermograph reading 12 hours previous. The pressure argument will be the station pressure to hundredths of an inch only (the third decimal being disposed of according to rule). Enter the table with the arguments as above described and find the point where the argument lines intersect; the value there given will be the reduced pressure. It will be necessary to interpolate for the hundredths when the station pressure falls between the tenths of an inch as given at the top of the table. No interpolation will be required for temperature argument if the table be extended so that for each temperature entered there is a difference of only one hundredth in the table. The temperature argument for a special observation will be the mean of that and the corrected thermograph reading 12 hours previous to the time of the special.

## TEMPERATURE.

45. All thermometers must be read and the readings recorded to the nearest tenth of a degree, except the attached thermometer, which will be read and recorded to the nearest half degree.

47. Instrumental corrections will not be applied to thermometer readings except when they are ± 0.3 or more in the case of mercurial thermometers, and ± 0.5 or more in the case of minimum or alcohol thermometers, except when the temperature is 42° or lower; and except when the wet thermometer reads higher than the dry, then all corrections will be applied to the readings of the dry and wet bulb thermometers. The corrections furnished are for each 10°, and will be applied algebraically to the scale readings of the thermometers before recording the same. For a scale reading between those for which corrections are given, an interpolated value of the correction will be used. Example: For a reading of 62.0° the correction is −0.5°. The true temperature is, therefore, 62.0° −0.5°=61.5°. For a reading of −8.0° the correction is −1.2°, the true temperature is −8.0° −1.2°= −9.2°. For a reading of −28.0° the correction is +7.8°, the true temperature is −28.0° +7.8°= −20.2°. The corrections of thermometers are given on the cards only as low as actual comparisons have been made with substandards. If it should happen that a reading of a thermometer is obtained at a point lower than any for which its corrections are given, then the corrections will be determined by continuing the same ratio of increase or decrease as between the last 30° for which the corrections are given. Example: The correction at +2° is −0.6°, and at −28.0° is −2°. The change of correction between +2° and −28° is −1.4°. For 7° it is about −0.3°. For a scale reading of −35.0°, which is 7° below −28.0°, the correction is −2.3°, and the true temperature is −35.0° −2.3°= −37.3°. When the signs of the temperature and the correction are the same, add; when different, subtract.

48. The maximum and minimum thermometers will be set both at the a. m. and p. m. regular observations. They will not be set when taking special observations.

49. Observers should always note whether there is agreement in the temperature values given by the several thermometers; that is to say, (1) the top of the alcohol column of the minimum should indicate the same or nearly the same temperature as shown by the dry thermometer; (2) the minimum thermometer readings should be as low as, or lower than, the dry thermometer at the current and preceding observations; (3) the maximum thermometer reading should be as high as, or higher than, the dry thermometer at the current and preceding observations. Readings contrary to the above rules, if the instruments are properly set and read, are abnormal, and steps will be taken at once to discover and remove the cause or replace the instrument if defective. Small differences, however, amounting in some cases to nearly or quite a degree, will occasionally be found to occur. On such occasions the exact readings must be recorded, with an explanatory note.

50. The wet thermometer should always be kept in proper condition, the bulb and muslin cover clean and carefully moistened preceding each observation. In damp, foggy weather it may sometimes read higher than the dry thermometer after all instrumental corrections have been applied, in which case enter the corrected reading of the instrument, but inclose it in brackets, and enter the corrected reading of the dry thermometer above it and use the latter in obtaining the footings; record the reading of the dry bulb as the temperature of the dew-point, and the relative humidity as 100 per cent, with an explanatory note on the margin.

51. When the temperature of the air is below that at which mercury freezes, the temperature as indicated at the top of the alcohol column of the minimum thermometer will be entered as the readings of the dry and wet

bulb thermometers, and also as that of the dew-point, and the relative humidity will be recorded as 100 per cent.

During the prevalence of low temperature, but above the freezing point of mercury, the wet bulb covering should be saturated a few minutes before beginning the observation; and whenever, after diligent effort, it is found impossible to cause the wet thermometer to read as low as, or lower than, the dry thermometer after applying all corrections—any incidental moisture on the dry bulb being removed—the reading of the wet thermometer will be recorded as corrected and inclosed in brackets, and the reading of the dry thermometer entered above it and used in obtaining sums and means. The dry thermometer reading will be recorded as the temperature of the dew-point, and the relative humidity as 100 per cent. Explanatory notes should indicate when these conditions occur.

52. The dew-point, relative humidity, and vapor pressure will be obtained in accordance with the tables furnished; the dew-point will be entered to the nearest whole degree, the relative humidity to the nearest whole per cent, and the vapor pressure to the nearest thousandth of an inch.

53. All daily temperature values on page 8 will be entered in whole degrees only, the tenths of degrees being disposed of according to rule.

54. At stations having a thermograph the maximum and minimum temperatures on page 8 will be taken from the maximum and minimum thermometer readings on pages 2 and 3 (see paragraphs 55 and 56) except when the true maximum or minimum for the day, midnight to midnight, can not thus be obtained, in which event it will be obtained from the corrected thermograph trace (see paragraph 219). At stations not having a thermograph the maximum and minimum will be obtained in accordance with paragraphs 55 and 56.

55. The maximum temperature for the day will be taken from the p. m. observation, except under the following conditions: (1) The maximum temperature recorded at the a. m. observation of the next day will be used when it is higher than the maximum at the p. m. observation and is believed to have occurred before midnight; (2) the maximum temperature recorded at the preceding a. m. observation will be used when it is believed to have occurred after midnight and is higher than any temperature recorded after the a. m. observation of that day. The maximum of any day must be as high as the minimum of the preceding day.

56. The minimum temperature for the day will be taken from the a. m. observation, except under the following conditions: (1) When a lower minimum is recorded at the p. m. observation, it will be used; (2) when the minimum recorded at the following a. m. observation is lower than that recorded during the preceding day, and is believed to have occurred before midnight, it will be used; (3) when the minimum recorded at the a. m. observation of the current day is believed to have occurred before midnight the minimum temperature for the day will be taken from the p. m. observation, unless example (2) requires it to be taken from the following a. m. observation. The range is the difference between the maximum and minimum.

57. The mean (max. and min.) temperature for the day is the sum of the maximum and minimum (as recorded on page 8) divided by 2, and will be recorded to whole degrees only, the tenths being disposed of according to rule. This mean will be used on all forms and reports as the daily mean temperature.

58. The change of temperature is the difference between the mean temperature of the previous and that of the current day.

59. Hourly Readings.—At stations designated by the Central Office the hourly readings of the thermograph, at the exact hour, after being corrected for instrumental error in accordance with instructions, will be entered in black ink on page 5 in whole numbers. The readings at 8 a. m. and 8 p. m., 75th meridian time, and at all other hours at which eye readings are made of the dry thermometer, when they correspond to an exact hour, standard of time in local use, will be entered in the proper hours, and in the same hour column will be written, in red ink, with its appropriate sign, the correction for the self-registering instrument (see paragraphs 212 and 217–222). All eye readings at hours other than 8 a. m. and 8 p. m., 75th meridian time, will be underscored in red ink.

60. In case the register fails to record for a portion of the day, the missing data should be supplied by interpolation; the data thus obtained will be connected by an asterisk to an explanatory note on the margin of the form.

61. Only data for whole days will be used in obtaining sums and means.

62. Footings.—The sums and means will be determined from the data entered in accordance with the foregoing instructions, the means being recorded to tenths.

63. Average Hourly Readings.—The mean of the column headed "Sum" will be obtained by dividing the total sum by the number of hours in the month.

64. Page 4 will be prepared at all stations where an automatic record of sunshine is made, except at those that have been authorized not to do so. The character of the day and average cloudiness will be entered at all stations.

65. With the exception mentioned in paragraph 71, the actual time sunshine as recorded during each hour will be entered to the nearest tenth of an hour in the appropriate columns under heading "Sunshine recorded during hours ending" (4 a. m. to 9 p. m., standard of time in local use).

66. The "Character of sunrise and sunset" will be recorded as clear, cloudy, foggy, hazy, or smoky, depending upon whether the sun was visible or obscured at the time of sunrise or sunset. When the character of sunrise or sunset is cloudy, foggy, hazy, or smoky the time these conditions obtained will be deducted from the full possible twilight correction.

67. It is not intended that observers shall go on duty at unreasonably early hours in order that the character of sunrise may be determined, but it is believed that, without much inconvenience, sufficiently accurate data can be obtained by noticing the character of weather immediately upon rising and by inquiry of persons who may have occasion to be up at time of sunrise.

68. The "Twilight correction" will be the difference between the time of sunrise for the latitude of station (as shown by Sunshine Table, Edition 1905) and the time at which the sunshine record began, and the difference between the time the sunshine record ended and the time of sunset (shown by table), provided the sky was clear during both these periods. If there were clouds, fog, etc., on the horizon sufficient to obscure the sun, either morning or evening, the time the sun was obscured should be deducted from the correction, as determined above.

69. The twilight correction will be apportioned among the morning and evening hours during which the sun shone and the register failed to record. The amount which belongs to each hour will be entered in red ink to the left of and above the entry of the amount of recorded sunshine. The twi-

light correction thus entered will be included in the sums entered at the bottom of the page.

70. Under "Hours of sunshine" the column headed "Total" will be the total recorded, including twilight correction. The "Possible hours of sunshine," recorded in the succeeding column, will be computed from the time of sunrise and sunset, as previously taken from Sunshine Table, Edition 1905.

71. In order that the first and last of the monthly "sums" under "hours ending" shall not be discordant with the "divisors" employed at the end of the month, the first and last fractional proportions of the "twilight correction" will be recorded each day to the nearest hundredth of an hour, provided the sun when at the horizon was not obscured; all other entries will be to the nearest tenth.

72. The "Percentage of possible hours of sunshine" will be obtained by dividing the total for each day (total recorded, plus twilight correction), multiplied by 100, by the "Possible" for the same date.

73. The daily sunshine percentage may, at the option of the official in charge, be entered on the right-hand margin of page 8, retained Form 1001.

74. The "Percentage of possible for each hour" will be determined by dividing the "Sums," multiplied by 100, by the number of hours of possible sunshine for the entire month, during the hour indicated by the heading of the column. Except for the hours ending shortly after sunrise or sunset the "Hours of possible sunshine" will be the same number as there are days in the month. The divisors to be used for the hours ending shortly after sunrise and sunset are given in Sunshine Table, Edition 1905. The "Percentage of possible" for the month will be determined by dividing the sum of column headed "Total," multiplied by 100, by the "Possible" for the month. The possible hours for the month is not always the sum of the daily totals. (See paragraph 28, Circular G.)

75. All percentages will be recorded to the nearest whole per cent.

76. If at any time, the amount of sunshine recorded by the instrument is known to be incorrect, either because the instrument fails to record when the sun is faintly obscured by thin haze, cloud, light fog, or light smoke, or because it continues to record for moderate cloudiness which obscures the disk of the sun, the true amount, as determined by eye observations, will be entered in the proper hour spaces in black ink and an explanatory note made on the margin of the form and on the original record sheets. A slight readjustment of the angle of inclination of the glass tube will eliminate imperfect results of this character with the electrical sunshine recorder.

77. No twilight corrections for the first and last hours will be entered under the conditions given in paragraph 76, but the record for the entire time will be in black ink, and the entries for the fractional hours will be recorded to hundredths.

78. When hills, trees, or buildings in easterly and westerly directions cause the actual times of sunrise and sunset to differ from those in the table, the observer will note, about the 15th of each month, or oftener if the horizon is very irregular, the time of actual sunrise and sunset, for the center of the sun's disk, and note those observations on the margin of the page.

## WIND.

79. The current velocity, and maximum velocity since last observation, will be the corrected values of the data obtained in accordance with paragraphs 176–179. When the anemometer cups are not moving at the time of observation the wind will be recorded as calm, whether or not 1 or more than 1 mile has been recorded during the last hour; if the cups are moving, a velocity of 1 mile or more will be recorded. The corrected maximum velocity will be entered on pages 2 and 3 only when it equals or exceeds the verifying velocity at stations on the Atlantic, Pacific, and Gulf coasts, and on the Great Lakes; at all other stations when it equals or exceeds 32 miles per hour corrected. Where but one observation is taken daily, enter the prescribed velocity for the twelve hours preceding the observation and omit entry for the succeeding twelve hours.

80. The maximum velocity must always be equal to or greater than the current velocity, and will have but one direction recorded therewith.

81. The current velocity will be the corrected reading at the time of taking the observation, i. e., between 7.40 and 8 o'clock, 75th meridian time. The maximum velocity will be the corrected highest velocity for a five-minute period during the twelve hours preceding the regular observation.

82. Whenever there is a break in the record, enter note with the maximum velocity for each twelve hours, and for the day, stating the time for which they are a record.

83. The corrected total movement for the twenty-four hours ending at 12 midnight will be used as the total daily movement.

84. The prevailing direction of the wind for each hour will be entered in the hour spaces, page 6. Only one entry will be made as the prevailing direction for any single hour. If two or more directions are recorded an equal number of times on Form 1017, consider the directions adjacent to the hour in determining the direction to be entered as prevailing. When the wind movement for any hour is entered as "1 on page 7" the direction for that hour will be "0."

85. The prevailing direction for the day, and for the hour as recorded at the foot of page 6, is the direction or directions which appear most frequently in the respective line and column.

86. The direction recorded the greatest number of times during the month will be considered and entered as the prevailing direction for that period. If two or more directions occur an equal number of times, consider the adjacent directions in determining the prevailing direction for the month. Only one direction will be entered.

87. Hourly Wind Movement.—The number of miles of wind recorded each hour, corrected according to table in paragraph 170, will be entered for each day on page 7.

88. In counting the number of miles of wind for each hour the closing of the circuit should be counted as the mile and should be given to the hour in which the circuit closed.

89. The record for each day on pages 6 and 7 must be completed on the day following that for which the entries are made, or as soon thereafter as practicable.

90. The average hourly velocity will be obtained by dividing the total movement by the number of hours in the month.

91. The corrected maximum velocity during the hour will be entered in red ink in the upper left-hand corner of the hour space each hour that this maximum velocity exceeds the limit fixed by the official in charge, for entry in Form No. 1014 (see par. 165). This velocity will be entered in the space provided at the top of the page.

92. At specially designated stations the number of miles and the length of time from each wind direction will be compiled from the data entered on pages 6 and 7, Form 1001. The number of miles for each particular hour will be credited to the prevailing wind direction for that hour.

*Example.*

On the 1st: Prevailing wind direction for each hour to 12 noon, W.
Total wind movement to 12 noon, 196.
Prevailing wind direction for each hour, 12 noon to mid., NW.
Total wind movement, 12 noon to midnight, 248
The record for the 1st: W., 196 miles in 12 hours.
NW., 248 miles in 12 hours.

The sum of the percentages of time from the nine directions should be 100. When this sum is more than 100, deduct 1 per cent from one, or more, of the percentages which was increased most in discarding the decimals, to reduce the sum to 100. Likewise, when the sum is less than 100, add 1 per cent to one, or more, of the percentages according to a similar rule. The same rules apply to the percentage of miles.

CLOUDS.

93. Entries of clouds will be printed thus: Ci., Ci.St., Ci.Cu., A.Cu., A.St., St.Cu., Nb., Cu., Cu.Nb., St., Fr.Cu., Fr.St.

94. The amount of clouds will be recorded on a scale of zero (0) to ten (10). When shreds of clouds are observed below a complete cloud cover, the total amount of clouds may exceed 10. Example: 10 St.NW., Few Fr.St.SW. If no clouds are visible, record zero (0); less than one-tenth, record "Few"; less than two-tenths and not less than one-tenth, record 1, etc. Absence of movement will be indicated by the figure zero (0) in the space for direction; and when there is doubt as to kind and direction, a query mark (?) will be placed after the questionable record. The directions from which the clouds are moving will be recorded to eight points of the compass, as N., NE., E., etc.

95. Haze, smoke, dust, and fog will be recorded in tenths, and must be designated as dense or light. These amounts will not be considered in footing up the columns.

96. When dense haze, dense smoke, dense dust, or dense fog obscures eight-tenths or more of the sky and no other clouds are visible, the state of the weather will be recorded as "Hazy," "Smoky," "Dusty," or "Foggy." Otherwise the state of the weather will be determined by the proportion of visible sky covered with clouds, exclusive of haze, smoke, dust, or fog present.

98. Haze will not be given a direction. Fog, dust, and smoke can have a direction; when no movement is perceptible, record zero (0) in space for direction. The most frequent kind and direction of clouds, page 9, Form 1001, will be determined by the entries on pages 2, 3, and 11. Haze, fog, dust, and smoke will always be considered in determining the most frequent kind of clouds; and the direction of fog, dust, and smoke will be considered in determining the prevailing direction of clouds, but the amount of fog, dust, or smoke will not be considered in the sums and averages.

99. If there be two or more levels of clouds observed, invariably record the upper first and the lower immediately underneath in the space for clouds.

100. Clouds will be recorded according to their form without reference to the occurrence of precipitation. That is, if rain is falling from stratocumulus clouds, record the clouds "St. Cu." and the state of weather "Light rain," etc. When precipitation is occurring with dense fog, in addition to the dense fog, record "10 Nb." and the direction the same as the wind. When precipitation is occurring in the distance, but not actually at the place of observation, an explanatory note will be entered and the state of the weather recorded in accordance with the conditions at the place of observation.

101. Observers should be careful not to record cumulus or strato-cumulus as cumulo-nimbus. It is seldom that more than a few tenths of cumulo-nimbus clouds are visible.

102. In the column "Average cloudiness," page 4, observers will record in whole numbers the average amount of clouds during the day (sunrise to sunset) on a scale of zero (0) to ten (10), as determined from frequent personal observations.

103. The "Character of day" will be determined from data in column headed "Average cloudiness"; zero to three, inclusive, record "Clear"; four to seven, "Partly cloudy"; eight to ten, "Cloudy."

PRECIPITATION.

104. The time of each beginning and ending of precipitation will be recorded; intervals of fifteen minutes or less between the time of ending and recommencement not being considered except near the time of an observation, when all beginnings and endings must be recorded.

105. When a thunderstorm occurs the international symbol for thunderstorm (⚡) will be entered on the right-hand margin of page 8 on each day, midnight to midnight, standard time in local use, on which thunder was heard.

106. The amount of rainfall will be determined by measuring with the "Measuring stick" the amount in the receiver of the rain gage; record as the amount one-tenth of the actual depth measured. After the receiver has been emptied the water in the overflow, if any, will be poured into the receiver, measured, and added to that found in the receiver. Precipitation of less than 0.005 of an inch will be recorded "T." When the p. m. observation is not taken, the amount of precipitation for that observation will be measured the same as if both observations were taken.

107. When there is danger of evaporation, the rainfall will be measured as soon as the rain ceases, and the water, if drawn off, will be returned to the gage. If the measurement at the next regular observation exceeds this one, it will be substituted therefor.

108. All precipitation entirely or partially in the form of sleet, snow, or hail will be melted, poured into the rain gage receiver, measured, and recorded in the same manner as rainfall. The measurement of precipitation in the form of snow is attended with much uncertainty, due to the action of the wind in drifting the snow and preventing it from entering the gage or blowing out a portion of the snow that has entered. If the observer has reason to believe that the amount collected in the snow gage is not the total snowfall since last observation, three measurements of the depth of snow will be made at different places and the mean of these measurements recorded as the actual depth of the snow. If it is impracticable to melt or weigh the snow, or the amount collected in the snow gage is not considered correct, one-tenth of the amount of snow in the gage or from measurements elsewhere, as the case may be, will be recorded as the amount of precipitation for that observation, with an explanatory note.

109. The following suggestions are given for the guidance of observers in the measurement of snowfall:

While one-tenth the depth is arbitrarily adopted as the water equivalent of snow, yet this is only coarsely approximate, and observers should always endeavor to determine the actual equivalent by one of the following methods:

*First method.*—Select a place where the snowfall is as little disturbed as possible and cut out a section with the snow gage, or 8-inch overflow of the rain gage, by sinking the

gage inverted through the snow and covering the mouth with a sheet of tin or thin board. The 8-inch cylindrical section of snow thus secured is then most conveniently measured by weighing, either in the gage itself, the weight of which is afterwards deducted, or after first emptying the snow into some smaller or lighter vessel. If this weight can be ascertained with an accuracy of within one-fourth of an ounce, the water equivalent will be given to the nearest hundredth of an inch by use of Table II—Paragraph 77, Circular A, 1903.

*Second method.*—If the snow is melted and measured in the measuring tube of the rain gage, care must be taken that loss does not occur by evaporation. Rapid melting must be avoided. The best results are obtained, not by melting directly, but by mixing a measured quantity of warm water with the snow and then measuring the slushy mixture, just as if the snow were all melted, deducting, of course, the amount of warm water added. Ten, or even five inches of warm water in the measuring tube are sufficient for effecting the measurement of a very considerable snowfall. Care must be taken in changing the snow or water from one vessel to another that portions of the precipitation are not lost.

110. When precipitation is occurring at the time of observation, or occurs between the taking of the observation and 8 o'clock, 75th meridian time, a check mark will be made on Form No. 1017 to show the exact time of observation. The record for that hour as entered on the face of the above form will include the amount between the check and the end of the hour, but under head of precipitation at time of the a. m. and p. m. observations on the above form, as also similar headings on Forms No. 1001, No. 1014, and No. 1083, the entries will show the amounts recorded at the time the measurements were made.

111. Precipitation from fog, dew, or frost will not be recorded in this form. Absence of precipitation will be indicated by the figure zero (0).

112. All beginnings and endings of precipitation will be entered in chronological order on the dates on which they occur, beginning at the left-hand column. Only one entry will be made in each column when there are not more than four showers. A. m. and p. m. will be entered as "a" and "p," respectively. When time of beginning and ending is unknown it will be recorded as D. N. a. or D. N. p. (during night).

113. The depth of snowfall (maximum depth, less amount, if any, on ground before the period) during the preceding twenty-four hours will be entered each day in the column headed "Unmelted ..... p. m. to ..... p. m.," on page 8. If there are several separate snowfalls within the 24-hour period, each one of which melts before the following one occurs, the total fall for the 24-hour period will be the sum of the maximum depths for each fall.

114. Less than 0.05 inch of unmelted snow, and all snow which melts as it falls, will be recorded as "T," and in the case of the latter a marginal note "Melted as it fell" will be entered.

115. The total depth of unmelted snow on the ground each day at 8 p. m., 75th meridian time, by actual measurement (the means of three measurements when the snow is drifted), will be entered in the column headed "On the ground at ..... p. m.," page 8.

116. All unmelted snowfall will be recorded to inches and tenths, except as indicated in paragraph 114.

117. Enter under "Amount of precipitation from melted snow (midnight to midnight)" on page 8 the amount of precipitation from melted snow (estimated if unknown). When it is estimated, a marginal note should be entered stating the fact.

118. Care should be taken in determining the character of precipitation when in the form of sleet or hail.

Hail and sleet will not be entered in the columns for unmelted snow.

## WEATHER.

119. The state of the weather will be determined and recorded with reference to the degree of cloudiness, and whether or not precipitation is falling or likely to fall soon; thus when the sky is three-tenths or less covered with clouds, record "Clear"; four to seven tenths, inclusive, "Partly cloudy"; eight to ten tenths, "Cloudy"; and "Misting," "Sprinkling," "Light rain," "Heavy rain," "Light snow," "Heavy snow," "Sleeting," "Hailing," "Threatening," and "Clearing" when these conditions exist (see paragraphs 96 and 104). When two or more kinds of precipitation are occurring at the time of observation all will be entered under the "State of weather." When light fog, light haze, or light smoke is observed with no clouds, the state of weather will be recorded as "Clear."

120. When a thunderstorm is prevailing at the moment of observation, or the rain is still falling, and thunder has been heard or lightning seen within the hour previous to the observation, the international symbol for thunderstorm will be entered after "State of weather."

## FOOTINGS AND SUMMARY.

121. *a.* No data required.

*b.* Underscore in red ink maximum and minimum of the column.

*c.* Enter most frequent kind or direction, and when two or more directions or kinds are observed an equal number of times, all will be entered. Calm will not be considered in determining the most frequent direction of clouds.

*f.* On page 3, under "Fog," "Light," or "Dense," enter the time of beginning and ending on days when these conditions are observed at station, midnight to midnight, standard of time in local use. Enter on page 9 the dates of all days on which fog is observed. A dense fog is one that is dense enough to obscure objects at a distance of *one thousand feet.*

*g.* The monthly means of "Station pressure," "Reduced pressure," "Dew-point," "Humidity," "Vapor pressure," and "Temperature" (a. m. +p. m.÷2) will be obtained by adding the monthly means of the a. m. and p. m. observations and dividing the sums by 2. The "Monthly mean temperature" will be obtained by dividing the sum of the mean maximum and minimum temperatures by 2.

*h.* In determining the highest and lowest pressure for the month the barograph trace will be considered, and if any corrected barograph reading is lower or higher than the recorded station pressure for any regular or special observation, this reading will be entered under the heading "Station" on page 10, to three decimal places, the last decimal being zero. The corrected thermograph reading at the time of this barograph reading will be entered to whole numbers as the "Dry," and the reduced pressure determined according to the rule for special observations. The other entries should indicate the date and time of occurrence. The pressure values thus derived will be used in determining the highest and lowest for the month for entry on page 9. When the highest or lowest reduced pressure occurs on more than one date, carry the reduction to thousandths to determine the actual date.

*i.* The highest and lowest temperatures and the greatest and least daily ranges will be taken from page 8, but the dates on which they actually occurred (tenths considered) will be determined from pages 2 and 3. At stations supplied with thermographs, when the monthly maximum or minimum temperature is recorded the same on two or more dates on pages 2 and 3, the date of the highest or lowest temperature for the month will be determined by the thermograph trace, using the date on which the highest or lowest point is reached by the thermograph pen. When the greatest or least daily range of temperature occurs on two or more dates, as shown on pages 2 and 3, the date will be determined by referring to the thermograph trace.

*j.* The number of days with the maximum temperature 90° or above, 32° or below, and minimum temperature 32° or below, and zero or below, will be determined from the maximum and minimum thermometer readings as recorded to tenths. When the maximum or minimum temperature is taken from the thermograph it will be considered as whole degrees.

*k.* When on more than one date, both dates will be given.

*l.* (1) Precipitation will be considered excessive when it equals or exceeds 2.50 inches in twenty-four consecutive hours, or 1 inch in one hour. See also paragraph 200.

(2) In determining the duration of excessive precipitation of 2.50 inches in twenty-four hours at stations equipped with recording rain gages, the period of duration will begin with the first closing of the circuit and end with the last closing for each shower. All intervals between showers will be excluded. At stations not equipped with recording gages the period of duration will be the time precipitation actually occurred. The period may be extended beyond twenty-four hours as long as the rate of 2.50 inches in twenty-four hours continues.

(3) When the above data are compiled for publication the following footnote will be made: "The duration is the time precipitation was actually recorded."

(4) Excessive precipitation at the rate of 1 inch an hour will not be entered on Form No. 1001.—Met'l, unless 1 inch falls within one hour. If 1 inch is recorded in less than one hour that amount only will be taken, unless the rate of fall continues excessive (at the rate of 1 inch an hour or eight and one-third hundredths inch in five minutes), in which event the entire amount of precipitation at the excessive rate and the entire time at which the rate was excessive will be entered.

(5) After 1 inch has been recorded within one hour, if the rate ceases to be excessive for a short time and again becomes excessive, whether or not it extends beyond one hour, both amounts will be included, provided the amount for the last excessive period is sufficient to make it and the non-excessive interval, taken together, excessive.

(6) At the beginning or ending of excessive precipitation of 1 inch an hour no amount at less than that rate will be included unless required to make a total of 1 inch in an hour.

*m.* In computing the maximum precipitation in twenty-four hours and excessive precipitation data, the division of the months will be disregarded. The same data will not be included in the compilations for two months. When the record for the 1st of a month has been included in that for the preceding month, a note to that effect will be entered on page 9.

*n.* A day with hail is one on which a trace or more of hail fell.

*o.* To be taken from the sum of columns headed "Snowfall, unmelted, ..... p. m. to ..... p. m.," page 8.

*p.* To be determined from page 6 or 13 at stations that prepare either or both pages and from the "Number of times observed from," as recorded in the summary, at stations that do not prepare pages 6 or 13. If two or more directions are recorded an equal number of times, consider the adjacent directions in determining the prevailing direction for the month. Only one direction will be entered. When calm exceeds the prevailing direction, it will be entered immediately above the latter.

*r.* Enter but one maximum wind velocity, direction, and date.

*t.* The "Monthly mean cloudiness" will be the mean of the column "Average daily cloudiness," on page 4.

*u.* To include only days on which 0.01 inch or more of rain, melted snow, sleet, or hail fell.

*v.* A day with thunderstorm is one on which thunder is distinctly heard at the station, whether or not lightning is seen or rain falls at the station. (See par. 105.)

*w.* Stations having a recording rain gage will enter the maximum fall in five and ten minutes, etc., for the month, together with the date of occurrence.

### RULE FOR DISPOSING OF DECIMALS.

122. In dropping decimals, if the figure to be dropped is greater than 5 (or 5 with a remainder) the preceding figure will be increased by 1. If the decimal figure to be dropped is 5 exactly, the preceding figure when odd will be increased by 1, and when even it will remain unchanged. If the figure to be dropped is less than 5, retain the preceding figure unchanged.

123. In computing the monthly means of barometer and vapor pressure the division will be carried to four decimal places, and the fourth decimal dropped in accordance with the preceding rule. In computing all means (except for barometer and vapor pressure) carry the division to two decimal places only, and dispose of the last decimal figure according to the preceding rule.

### FROSTS.

124. The date of occurrence of each frost will be recorded throughout the year in California and Florida and along the immediate coast of the Gulf of Mexico. In the spring all frosts will be recorded, beginning March 1, in the portions of Washington and Oregon west of the Cascade Mountains.

125. In the spring in all sections, except those mentioned in paragraph 124, the date of occurrence of each frost will be recorded on and after the date that the daily normal temperature is 43°.

126. All frosts occurring at any station between May 1 and August 31 will be recorded.

127. During the autumn and winter frosts will not be recorded subsequent to the date on which the first killing frost occurs, except as specified in paragraph 124.

128. Frost will be designated as "light," "heavy," or "killing." The term "light" signifies no destructive effect except to tender plants and vines; "heavy," a copious deposit of frost, but which does not kill the staple products of the locality; and "killing," frost that is destructive to vegetation and staple products.

129. The character of frost, whether light, heavy, or killing, must sometimes be determined by the phenomenon itself, rather than by its effect on vegetation and the staple crops, since the latter may have passed the stage where injury was possible.

## MONTHLY METEOROLOGICAL NOTES.

130. Page 12 will contain an account of important atmospheric phenomena, not easily susceptible of tabulation, occurring at or in the vicinity of the station. Events will be described after the manner of a narrative, covering the entire period of occurrence, whether consisting of a fraction of a day or of a number of days.

131. An annual index will be prepared on the printed form provided for that purpose and will be submitted with the December Form No. 1001. Subjects will be indexed by month and date.

132. The meteorological notes will be written with a typewriter and the writing should be single spaced. If necessary, an additional sheet will be inserted. A press copy will not be made.

133a. In the reporting of meteorological phenomena too much care can not be exercised to make the account explicit and to state accurately the time of occurrence. Very often the omission of a single detail detracts materially from the value of the report.

133b. Measurements of snow should be made at intervals during the occurrence of heavy snowfall in order to determine the maximum depth. These measurements should be recorded on page 12 and also in the notes on Form 1014.

134. In describing weather conditions and phenomena midnight will be understood to refer to the end of the day and will receive the date thereof. Twelve o'clock midnight and twelve o'clock noon will be written thus, respectively: 12 midnight; 12 noon. Night will be referred to thus: "Night of the 3d–4th," and will cover the time from dark to daylight.

135. At stations on the lakes and navigable rivers the opening and closing of navigation, together with the name of the first vessel to arrive and the last to depart, should be recorded.

136. Whenever a killing frost occurs the "Met'l Notes" will contain a statement of the kinds of vegetation killed, the degree of maturity at the time of the frost, the estimated percentage of loss, and any other facts that favored the formation of frost, or that tended to increase the injury.

137. Especial care should be taken to note the *dates* of the occurrence of the first and last frost of each character in *the annual index of the Monthly Meteorological Notes*. If the dates of the first and last killing frost can not be determined the first day with the minimum temperature of 32°, or lower, in the autumn, and the last day with 32°, or lower, in the spring, *when precipitation did not occur* while the temperature of 32°, or lower, obtained, will be recorded, with an explanatory note as to the probable cause of the absence of frost on those dates.

138. *a.* A tornado is a violent local storm, in connection with which is usually noted a well-defined, pendant, funnel-shaped cloud, with attendant rotary winds, often of sufficient violence to prostrate buildings and uproot trees and leaving unmistakable evidence of rotary winds.

*b.* Whenever a tornado occurs within a radius of 25 miles from the station the official in charge will make diligent effort to obtain an accurate description of all meteorological elements accompanying the tornado. In gathering and preparing the data relative to a tornado, information on the following points is desirable:

*c.* The path of the tornado, with the location of buildings destroyed and the distribution of the débris on either side of the storm track. This should be shown by a map.

*d.* The name of the place and the date and hour of occurrence. If the tornado passed near a town, the distance, and direction from, should be noted.

*e.* The appearance of the cloud; glow and funnel-shape; the color of cloud; the meeting of clouds; lightning, and whether seen to issue from the funnel cloud.

*f.* Character and amount of precipitation, including hail; size of hail.

*g.* Nature of attendant noises.

*h.* Direction of motion of storm.

*i.* Presence of a whirl, either as seen in a cloud or as evidenced by the distribution of débris.

*j.* General direction in which trees or débris lay in the center line of greatest destruction, and on either side of this line.

*k.* Length of path and width at point of greatest destruction.

*l.* Number and names of persons killed.

139. Whenever damaging hail falls at or within 25 miles of the station, a report will be made in the "Met'l Notes," stating the size of the stones and the nature of the damage.

140. Various optical phenomena are constantly occurring in the atmosphere, and while they have no very important bearing upon the weather it is desirable to note their occurrence. Among these phenomena may be mentioned auroras; halos, solar, and lunar; rainbows; coronas; parhelia; paraselenæ and mirages.

141. Auroral displays should be described, giving in all cases where practicable the time of beginning and ending and the altitude and azimuth of each extremity and of the crown of any arch of light that may be formed. Azimuths should be recorded as in astronomy, from the south point to the westward, passing successively through, west, north, and east points of the compass until the starting point is reached.

142. In counting the number of auroral displays, those occurring on parts of two successive days will be counted as single displays, but in counting the dates of auroras, when they extend past 12 midnight, both dates will be counted.

143. Whenever a meteor is seen the "illumination" left by it should be carefully noted, both as to its appearance and the direction in which it apparently floats.

## FORM No. 1002.

144. This form will be made out in duplicate at the end of the year on the current edition.

145. If the elevation of the anemometer, thermometer, or rain gage has been changed, that on December 31 must be given. The dates of changes and old elevations must be carefully recorded on the margin.

146. The sum of corrections and all changes in the same must be carefully noted under "Sum of barometer corrections," page 1, and the date and observation upon which it was first used.

147. When one or more observations have been missed, connect all data for less than a full month with a footnote, stating the length of time of the record.

148. The monthly mean pressure, dew-point, relative humidity, absolute range of pressure, and all other data, except as hereinafter provided for, will be taken from the summary of Form No. 1001 or the Climatological Record. The decimal in the case of the dew-point and relative humidity will be disposed of according to rule.

149. In the space for date of highest and lowest pressure and temperature for the year enter the month and day thereof, as "July 6." The mean daily range and mean daily change of temperature will be taken from the columns similarly headed on page 8, Form No. 1001.

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150. The data to be entered in the columns headed " Total " and " Possible " will be taken from the sum of the columns similarly headed on page 4, Form No. 1001. The " Percentage " will be taken from the monthly percentage of " Total." Stations not supplied with a sunshine recorder will leave these columns blank.

151. At stations preparing page 13, the prevailing direction for the year will be determined by the direction having the greatest number of hours; at all other stations it will be determined from the sums of " Number of times observed blowing from the N., NE.," etc.

152. The mean hourly temperature and wind velocity will be taken from the mean values at the foot of pages 5 and 7, respectively, and the data for entry in columns headed " For the month " from the average hourly temperature and wind velocity, respectively. Data for less than one-half of a month will not be recorded, and in case the data for one or more months are missing the sums and means for the year will be omitted. All means will be obtained by dividing the sums of the respective columns by 12, and each mean will be recorded to the same number of decimal places as the data from which it is obtained are recorded.

153. Page 7, " Wind—number of miles and length of time from each direction," will be prepared at stations that tabulate these data.

## FORM No. 1003.

154. The data to be entered on Form No. 1003 will be an exact copy of those in columns similarly headed on Form No. 1002. One copy will be forwarded to the Central Office with Form No. 1002. A retained copy need not be kept.

## FORM No. 1014—DAILY LOCAL RECORD.

155. Time.—All entries will be on the standard of time in local use; this will be local mean time at the few places where such is in current use.

156. Enter against the heading " Temperature at the end of hour " the corrected thermograph readings, except whenever eye readings of the dry thermometer at exact hours are available they will be entered. The maximum and the minimum thermometer readings and the mean daily and normal temperatures will be entered on the right-hand side of the sheet, and these entries will correspond to those entered on page 8, Form No. 1001.

157. Under " State of weather " enter the nature of the precipitation, whether rain, hail, sleet, or snow, with the time of beginnings and endings. The character of precipitation may be indicated by a single letter; thus, for rain beginning at 9.15 a. m. the entry would be " R. B. 9.15 " in the column headed 9–10. The ending should be indicated in a similar manner in the proper hour column.

158. On the right-hand margin of the form, opposite the heading " Total depth of snow," etc., the total depth of snowfall for the twenty-four hours ending at the local standard time corresponding to 8 p. m., 75th meridian time, will be entered.

159. When necessary, additional data in regard to hail fall and sleet fall, and ground covering of hail, sleet, and ice will be entered.

160. The blank space on the form for the time will be filled up by entering the standard time in local use corresponding to 8 p. m., 75th meridian time. In the same manner the amount of snow on the ground at 8 p. m., 75th meridian time, will be entered.

161. In the spaces against the heading "Amount of precipitation " will be given the hourly amounts, when obtainable by self-register. Stations not supplied with self-registers will leave the spaces blank. On the right-hand margin space is provided for the entry of the total precipitation as measured at the 8 a. m. and 8 p. m. observations, 75th meridian time, except that the time will be given in the local standard in use at the station instead of 75th meridian.

162. The total precipitation, midnight to midnight, will also be entered in the space provided for it. At stations not provided with self-registers the amount will be estimated, and a note to that effect will be made.

163. In the spaces headed " Cloudiness and other conditions " the state of the weather will be indicated by the words " Clear," " Partly cloudy," " Cloudy," " Fog," etc., and the time that these conditions prevailed will be indicated by means of arrows and lines drawn through the hour spaces on both sides of the word and ending at the time when the conditions began and terminated. Moonlight should be observed and the standard astronomical symbol entered to indicate the phase of the moon on the date for the maximum of each phase. The entry of time of moonrise and moonset is optional. If the moon is obscured at intervals, either totally or partially, these facts should be noted. The " Character of the day " will be entered in the space provided for it.

164. The space headed " Sunshine " is intended to replace the entries which were formerly made on Form No. 1070, and the instructions which apply to page 4, Form No. 1001, will be followed in entering the data on this form.

165. In like manner the spaces for " Wind direction " and " Wind movement " will be prepared precisely as the similar columns on pages 6 and 7, Form No. 1001. The third space under wind, " Maximum velocities exceeding ..... miles," will contain a statement of the maximum hourly velocity and direction, together with the time the maximum occurred, whenever the wind exceeds a certain limit. This limit will be fixed by officials in charge of stations. In general, corrected maximum velocities below 22 miles will not be entered unless there is a demand for them at the station. Officials in charge will aim to enter only those maximum velocities which may be of importance to the public interests at the station.

166. Space has been provided for use in entering excessive precipitation data. Against the right-hand margin of this space relative humidity, reduced barometer, and river readings should be entered.

167. Copies of the barograph and thermograph traces, including the red-ink corrections entered on the original trace, will be made on the diagrams at the foot of the page.

168. The space provided for notes will be used whenever the instrumental readings do not clearly express the weather conditions of the day. Under this head a description should be given of all severe storms, cold waves, frosts, or any abnormal condition that may prevail, together with the time of receipt and the time of hoisting and lowering of warnings of all kinds; as to snow, see paragraph 133b. The Daily Local Record should contain a complete history of the weather of the day and be carefully verified. It will be retained at the station, and a copy will not be furnished to the Central Office. It should be made in record ink.

169. All special features will be indexed.

## FORMS No. 1015 AND No. 1017.

170. *a.* Beginning with January 1, 1932, all values of wind velocity obtained from anemometers shall be corrected before being used for records, telegraphic reports, publications, or any other purpose.

*b.* Each Form No. 1015 and No. 1017 shall have noted or stamped on its face the kind of anemometer in use.

*c.* On Forms No. 1015 and No. 1017 the hourly movement as registered will be counted and entered in pencil and the maxima and extremes in ink. No entries of wind velocity in pencil or ink should appear on Forms No. 1015 and No. 1017, except the 3-cup or 4-cup values, depending which kind of anemometer is in use.

*d.* After the appropriate corrections to the hourly movement and the maximum and extreme velocities in whole units as given in the table have been applied, the result will be entered in Form No. 1001 or other record. The daily movement will be the sum of the 24 corrected hourly values.

*e.* From these instructions it follows that no value less than 1 as the movement for 1 hour, nor less than 24 as the movement for 24 hours, can appear in the corrected record.

*f.* The wind movement determined by dial over a period longer than 1 hour will be corrected on a mean hourly basis. If the dial readings of a 4-cup anemometer indicate that the wind movement for 24 hours was 192 miles, then the uncorrected hourly average is 8, and the corrected total is 216, and the corrected hourly average is 9.

*Corrections for indicated velocities.*

| Velocities Indicated | | |
|---|---|---|
| By 3-cup anemometer (m. p. h.) | By 4-cup anemometer (m. p. h.) | Correction in whole miles per hour |
| 0 to 16 | 0 to 8 | + 1 |
| 17 to 26 | 9 to 12 | 0 |
| 27 to 35 | 13 to 16 | − 1 |
| 36 to 44 | 17 to 20 | − 2 |
| 45 to 52 | 21 to 24 | − 3 |
| 53 to 61 | 25 to 28 | − 4 |
| 62 to 70 | 29 to 32 | − 5 |
| 71 to 79 | 33 to 36 | − 6 |
| 80 to 87 | 37 to 39 | − 7 |
| 88 to 96 | 40 to 43 | − 8 |
| 97 to 105 | 44 to 47 | − 9 |
| 106 to 114 | 48 to 51 | −10 |
| 115 to 122 | 52 to 54 | −11 |
| 123 to 132 | 55 to 58 | −12 |
| 133 to 139 | 59 to 62 | −13 |
| 140 to 149 | 63 to 65 | −14 |
| 150 to 157 | 66 to 69 | −15 |
| 158 to 166 | 70 to 73 | −16 |
| 167 to 174 | 74 to 77 | −17 |
| 175 to 184 | 78 to 80 | −18 |
| 185 to 192 | 81 to 84 | −19 |
| 193 to 200 | 85 to 88 | −20 |
| | 89 to 91 | −21 |
| | 92 to 95 | −22 |
| | 96 to 99 | −23 |
| | 100 to 103 | −24 |

171. Incomplete Records.—Observers will examine the registers each morning immediately upon arriving at the office to see whether or not they are working properly. If the anemometer is out of order a dial reading will be made at once and entered on the sheet, together with the time at which it was made.

172. Dial readings will also be made at each regular observation and at each noon during the incomplete record and when the record is started and entered on Form No. 1015 or No. 1017. The data will be interpolated when the loss of record is less than twenty-four hours. Short breaks in the record when the self-register fails to work may be estimated when the observer believes he can approximate what the record would have been. In all such cases an explanatory note will be entered on all forms where the data are used.

173. In case of loss of record for a period of twenty-four hours or more, blank sheets for the period containing the name of the station, dates, and such data as can be obtained will be prepared and forwarded with the regular monthly package.

174. Whenever the instrument has not been running on correct time a note should be made to indicate the true time of the record.

175. The total movement of the wind for each six hours and for the day will be entered on the left-hand margin in the proper spaces.

176. The Uncorrected Current Velocity, How Obtained from Register.—To obtain this velocity from the anemometer record, take the number of spaces and parts of spaces between the mile marks recorded in the five minutes preceding the moment considered and multiply the result by 12, except when the wind has blown at the rate of less than 12 miles an hour, when the velocity will be determined as shown by the second example below.

First example: Suppose the number of spaces indicating mile marks between 7.40 p. m. and 7.45 p. m., 75th meridian time, was $1\frac{1}{4}$, then the velocity of the wind to be recorded at the p. m. observation is $1\frac{1}{4}\times12=15$ miles per hour.

Second example: If the interval between the last two mile marks is seven minutes, then the current hourly velocity will be obtained by dividing 60 by $7=8\frac{4}{7}$ miles, recorded as 9 miles.

177. The Uncorrected Maximum Velocity, How Obtained from Register.—This velocity of wind will be obtained by considering the number of spaces and fractions thereof between the mile marks in the five minutes where the velocity is the greatest and multiplying the result by 12; the product will be the maximum velocity.

If the shortest space between two mile marks in the period covers more than five minutes of time, then the elapsed time for said space will be the basis of the calculation. Example: If the shortest space between two mile marks is thirteen minutes, then the maximum velocity is $60\div13=4.6$ miles per hour, which will be recorded on Form No. 1001 as 5 miles.

178. The uncorrected extreme velocity each day (from midnight to midnight) will be ascertained with reference to the mile of wind recorded in the shortest time, thus: Find the two marks nearest each other on the anemometer sheet, calculate accurately the amount of time between these two marks (from beginning to beginning or from ending to ending), divide 60 by this amount, and the quotient will be the extreme velocity. Example: The space of time between two marks nearest each other is two minutes; $60\div2=30$, therefore 30 miles is the extreme velocity for the day.

When the maximum velocity is 12 miles per hour, or less, the extreme daily velocity for the same period of time should be the same; if more than 12 miles, the extreme velocity can be greater.

179. For convenience and accuracy in determining the velocity of the wind a scale has been prepared and furnished to each station with which the velocities may be read direct from Form No. 1017—Met'l without computation. This scale consists of a series of subdivisions equal in length to the

intervals between the mile marks on the record sheet for all velocities from 5 to 39, and for every even mile from 40 to 78 miles per hour. To determine the velocity find the portion of the scale where the subdivisions correspond to the mile marks on the sheet. If the mile marks correspond with the smallest subdivisions, the velocity is shown by the first row of figures on the scale. If the mile marks correspond to 2, 4, or 8 of the subdivisions, the velocity is shown by the second, third, or fourth row of figures. When measuring maximum or current velocities for which a whole number of miles is not recorded in five minutes, it will be necessary to estimate the proportional part of a mile required to complete the five-minute period.

180. Uncorrected Maximum Velocities Entered on Wind Sheets.—The uncorrected maximum wind velocity (for any five minutes) for the day, midnight to midnight, standard of time in local use, will be entered in ink on Forms No. 1015 and No. 1017—Met'l immediately above the record as shown by the self-register. Care will be taken not to obliterate any record, and the word maximum will be abbreviated, thus: Max. 25.

181. Uncorrected Current Wind Velocity, How Obtained from Dial.—Make two readings of the outer dial with an interval of five minutes between them. The difference between these readings will be the distance, in miles and tenths, traveled by the wind in that interval. This, multiplied by 12, will give the indicated velocity in miles per hour. Example: Suppose the index of the anemometer to be at 3.4 on the outer dial when the first reading is taken and at 4.1 five minutes after, the difference, 0.7 mile, is the distance traveled in that time; and this, multiplied by 12, gives a velocity of 8.4 miles per hour.

182. The total movement by register for any period will be obtained by counting the number of marks in the period.

183. Wind Movement from 12 Noon to 12 Noon by Dial, How to Obtain.—Subtract the reading of the anemometer dial at 12 noon of the preceding day from the reading taken at 12 noon of the current day; the difference will be the total movement. When the reading of the anemometer is less than the reading of the preceding day, 990 miles will be added to it, and the remainder, after subtracting the reading of the preceding day, will be the total movement. Example: The dial reading of to-day is 91, and that of yesterday was 950, hence we have 91+990=1,081; 1,081—950=131, the total movement of the wind in miles from noon to noon.

184. Velocity of Wind Estimated.—Whenever instruments are not available for directly measuring the wind velocity it will be estimated by reference to the following scale:

| Name. | Miles per hr. (True vel.) |
|---|---|
| Calm | 1 to 6. |
| Light | 7 to 14. |
| Moderate | 15 to 21. |
| Brisk | 22 to 29. |
| High | 30 to 40. |
| Gale | 41 to 51. |
| Hurricane | 52 or more. |

185. Dial Readings.—The reading of the anemometer dial made at 12 noon on the first day of each month and at 12 noon each Monday during the month will be recorded on the sheet just taken from the register. Only actual dial readings will be recorded.

186. The accuracy of the anemometer record for each month may be verified at the end of the month as follows: Ascertain the total wind movement by register from 12 noon of the first day of the month in question to 12 noon of the first day of the succeeding month; add to this the dial reading of the first day of the month being verified and divide the sum by 990; the remainder should equal the dial reading on the first day of the succeeding month.

*Example.*

| | |
|---|---|
| Total movement, 12 midnight to 12 midnight | 3,283 |
| Less twelve hours preceding 12 noon of the first day of month | 70 |
| | 3,213 |
| 12 midnight to 12 noon of first of succeeding month | 22 |
| Dial reading on first day of month | 303 |
| 990)3,538(3 | |
| | 2,970 |
| Dial reading on first day of succeeding month | 568 |

187. Anemometers Changed.—When the anemometer is changed a note will be made on the lower margin of the anemometer record sheet, giving the date and the hour of the change and the dial reading of both old and new instruments. If changed at 12 noon, both readings will be recorded on the sheet just taken from the register.

188. When an electric sunshine record is made the character of sunrise and sunset will be written, at the proper hours, on Form No. 1017.

189. When both sunshine and rain are recorded on the same sheet the portion representing rain will be clearly marked by brackets and such footnotes added as may be necessary to completely identify the records in case there is likely to be uncertainty.

190. Precipitation.—Whenever a station is equipped with a recording rain gage, that gage will be regarded as the station gage, and the measurements of the amounts of precipitation it collects will be the official measurements of the precipitation at the station.

191. Beginning and Ending of Precipitation.—The time of beginning and ending of precipitation will be recorded on Form No. 1017 by direct and reverse check marks, thus (√) (√), accompanied by the letters B and E, respectively, said check marks being placed at the points corresponding in time on the sheet to the observed time of beginning or ending of precipitation, standard of time in local use. Whenever the time of beginning or ending is doubtful the entry will be accompanied by a query mark (?). When the recording gage is not in use in the winter the check marks indicating beginnings and endings should be omitted. Any information that will aid in determining the hourly amounts and rates of rainfall, when imperfectly recorded, should be given.

192. The characters B. D. N. or E. D. N. will be used to denote the beginning and ending of precipitation during the night, when the time is not known.

193. Whenever it becomes necessary to remove the recording gage to prevent injury from freezing (see paragraph 29, Circular E, Instrument Division), a note will be entered on page 9, Form No. 1001, giving the dates it was removed and again exposed. Stick measurements of the amount of precipitation collected in the snow gage will be made as instructed in paragraphs 108 and 109.

194. The precipitation collected in the tipping-bucket gage will be drawn off at each regular observation, the contents measured by stick in the measuring tube, and the amount recorded on Forms No. 1001 and No. 1017.

195. When the amounts by register and stick measurements at an observation differ by 10 per cent or more, a brief explanation of the probable cause of the discrepancy should be noted on the form upon which the disagreement appears.

198. The hourly amounts of precipitation will be entered in red ink, near the middle of the hour period, on Form No. 1017; for example, the amount during the hour from 1 to 2 p. m. will be entered near the 1.30 p. m. line on the sheet. In case of precipitation only partly recorded the hourly amounts for the period during which the record was defective will be estimated, if sufficient data are available, otherwise they will be omitted.

199. The totals of the hourly precipitation must in every case equal the total precipitation by stick measurement.

200. In tabulating excessive precipitation data from Form No. 1017 for storms in which the rate of fall equals or exceeds the limits shown in the following table, the accumulated amounts for each successive interval of five, ten, fifteen minutes, etc., during which the precipitation continues at an excessive rate will be entered in the table provided for that purpose in the summary, Form No. 1001. Under head "Total duration" will be entered the beginning and ending of precipitation; under "Excessive rate" will be entered the time precipitation began to fall at an excessive rate and the time the precipitation fell below that rate. This, however, must not be construed to mean that short periods during the progress of a storm where the rate falls temporarily below the excessive rate shall be excluded. When the rate falls below the lowest limit, 0.05 inch in five minutes, for a period of thirty minutes or more, the succeeding excessive precipitation will be tabulated separately. Under the heading "Accumulated depths of precipitation," etc., will be entered the accumulated amounts for the respective periods, all periods beginning at the same point of time, which should be identical with that given under "Excessive rate, began—." The tabulation will be continued so long as the excessive rate, as indicated above, continues. When the excessive rate extends beyond one hundred and twenty minutes the tabulation will be made for each fifty minutes separately so long as the excessive rate continues.

*Example.*

| Excessive rate. | | Amount before excessive began. | Accumulated depths during excessive rate for consecutive periods of time indicated below. | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Began— | Ended— | | 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. |
| 7.01 a.m. | 7.51 a.m. | 2.66 | 0.08 | 0.25 | 0.38 | 0.52 | 0.77 | 0.88 | 0.92 | 1.28 | 1.42 | 1.80 |
| 7.51 a.m. | 8.41 a.m. | ..... | *2.05 | 2.24 | 2.42 | 2.61 | 2.82 | 2.86 | 2.91 | 2.94 | 3.10 | 3.30 |
| 8.41 a.m. | 9.31 a.m. | ..... | *3.53 | 3.61 | 3.78 | 3.92 | 4.19 | 4.29 | 4.35 | 4.45 | 4.64 | 4.70 |

* Continued from line above.

*Table showing limits at which precipitation may be considered as excessive.*

| Duration in minutes. | Depth of precipitation in inches. | Duration in minutes. | Depth of precipitation in inches. |
|---|---|---|---|
| 5 | 0.25 | 35 | 0.55 |
| 10 | 0.30 | 40 | 0.60 |
| 15 | 0.35 | 45 | 0.65 |
| 20 | 0.40 | 50 | 0.70 |
| 25 | 0.45 | 60 | 0.80 |
| 30 | 0.50 | | |

201. The accumulated depths will be tabulated when the fall equals or exceeds the rates mentioned in paragraph 200, provided the fall for 1 hour or less is 1 inch or more. If the rainfall is less than 1 inch in an hour, the accumulated depths will not be tabulated, notwithstanding that rates may equal or exceed those mentioned in paragraph 200.

201. Storms in which the amount of fall does not equal that given above for any of the periods of time will not be tabulated.

202. In the case of the records from the tipping-bucket gage it must be remembered that in addition to accidental errors due to defective action of the recording mechanisms, there will also frequently be found a discrepancy between the recorded and measured amounts which is apt to increase with the rate of rainfall and varies slightly with different gages, and even with the same gage under different circumstances, as regards cleanliness, moisture, etc. The observer must, therefore, apportion the corrections with reference to different rates of rainfall, remembering that hours of heavy rainfall should receive greater corrections than hours in which the rainfall is at a slower rate.

203. In general, the method of apportionment illustrated in the following examples will be employed in correcting the automatic records for discrepancies referred to above.

204. Example 1.—The recorded amount of precipitation is 1.14 and the amount of stick measurement 1.23, showing a deficiency in the recorded amount of 0.09. This amount must be added to the record; that is, at the rate of 1 tip for each 12 tips recorded (1.14÷0.09=12; dropping all fractions).

205. Example 2.—The recorded amount is 0.86 and the measured amount 0.80, showing an excess in the recorded amount of 0.06. One tip must, therefore, be stricken out in each group of 14 recorded tips (0.86÷0.06=14).

206. In performing the divisions indicated in these examples the observer will always drop all fractions.

207. In many cases the exact point at which a tip is added or stricken out is not of great importance but, in general, these corrections should be made at those portions of the record showing a noticeably rapid rate.

208. The points at which tips are stricken out in accordance with the foregoing instructions will be indicated on the record sheet by a small cross mark (×) in red ink, and the points where tips are added by a caret (∧) immediately underneath the point; such marks will not be used for any other purpose on the rain-gage record sheets.

### RECORDS FROM BAROGRAPHS AND THERMOGRAPHS

210. Sheets.—Barograph and thermograph sheets will each be clearly marked on the face of the sheet with the name of the station, time on which the records are made (as 75th meridian, 90th meridian, local time, etc.), and date, each day's record being dated as near the noon line for that day as practicable.

211. Clocks.—Every effort should be made to properly regulate the clocks to correctly keep time, winding them once a week, or oftener if necessary. The instruments should be inspected each day by the observer and properly adjusted by him when necessary. Whenever they are adjusted a marginal note, stating the fact, will be connected with the proper hour.

212. At the time of adjusting the barograph or thermograph pen, and when changing the record sheet, which will be at the exact hour, standard of time in local use, a reading of the station barometer (or dry thermometer) will be made and entered on the trace sheet. The corrections necessary to reduce the register to the standard at the time of changing the sheet and adjusting the pen, and for all regular and special observations, will be entered on the trace sheets in red ink. The barograph trace should be corrected to agree with the station pressure. When the pen is set higher or

lower there will be two corrections, one to apply to the preceding record and one to the following record. The correction to be used for other hours will be determined from the correction card by use of a pin or pins, as explained in paragraphs 216 and 219.

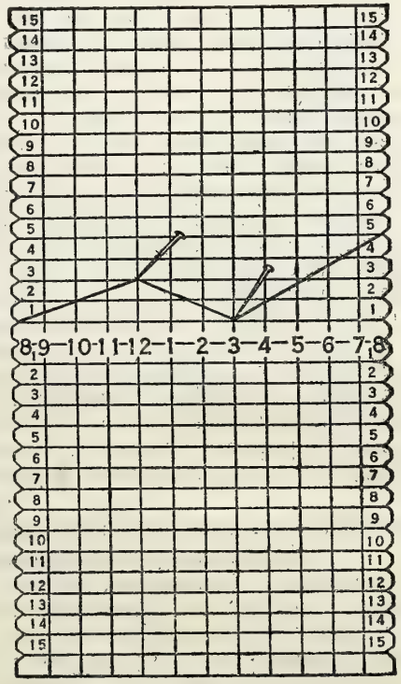
When the pressure or temperature at any particular station is such that the record might pass off the edge of the sheet or not be at all included in the rulings, observers will change the numbering of the lines by some convenient whole number and adjust the pen of the instrument accordingly.

213. Thermograph Time Error.—At the time of taking the a. m. observation the observer will carefully touch with a lead pencil the lever projecting from the thermograph bulb, so as to cause the pen to make a short vertical mark on the sheet. A note will be made on the first sheet for each month stating the time at which the pen is regularly touched. If it is touched more than five minutes from the regular time a note will be entered stating the exact time the mark was made.

214. Barograph Time Error.—The barograph pen should be touched at 12 noon, local standard time; if not touched within five minutes of that time a note will be entered giving the exact time the mark was made.

215. When the instrument is not running on correct time, this will be considered in taking off the data, so that it will be in true standard of time in local use.

216. Correction Card, How Used. — Ascertain the difference between the thermograph reading and the dry bulb thermometer reading at any regular observation under consideration; then set the rubber band on the card in a notch at the left-hand edge corresponding to this difference. If this difference, or correction, must be added to the thermograph reading to make it agree with the dry bulb reading, then the band must be set above the middle line, or, if the difference must be subtracted, set the band below. In a similar manner set the band in a notch at the right-hand edge of the card corresponding to the difference between the thermograph reading and the dry bulb thermometer reading at the next regular observation. The hours on the correction card should be renumbered to agree with the meridian of time in use.




Thermograph correction card.

217. The thermograph correction at any hour between the regular observations is the distance above or below the middle line of the point at which the band crosses that particular hour line.

*Example.*

Difference at first 8 o'clock observation: +2 (band above middle line).
Difference at next 8 o'clock observation: —3 (band below middle line).

*Hourly correction taken to the nearest unit.*

| 9 | 10 | 11 | 12 | 1 | 2 | 3 | 4 | 5 | 6 | 7 |
|---|---|---|---|---|---|---|---|---|---|---|
| +2 | +1 | +1 | 0 | 0 | 0 | —1 | —1 | —2 | —2 | —3 |

This card also will be used in a similar manner for correcting barograph readings.

218. Eye readings of the thermometer and barometer at exact hours, as provided for in paragraph 212, should be used to check and correct the corresponding recording instruments. If the correction at 12 o'clock, for example, was +3, and 3 o'clock +1, then if pins be stuck in the card at these points the rubber band may be deflected in the manner shown in the figure, and a complete series of corrections for the twelve-hour period from 8 a. m. to 8 p. m., 75th meridian time, determined.

219. The readings of the maximum and minimum thermometers at 8 a. m. and at 8 p. m., 75th meridian time, should also be used in connection with the 8 a. m. and 8 p. m., 75th meridian time, and all other readings of the dry thermometer, in order to determine the corrections to be applied to the thermograph trace throughout the 24 hours.

220. These corrections will also be entered on the trace sheets and on the copy of the trace on Form 1014, and will not be accompanied by explanatory phrases such as "correction at time of max.," "correction at time of min.," "correction at 8 a. m.," etc., as these unnecessary entries confuse the records.

221. The corrections thus determined should also be entered in red ink on page 5, Form No. 1001, at the time the dry thermometer was read, or at the hour nearest the time of occurrence of the extremes, as shown by the trace sheet, giving the preference to the previous hour whenever there is uncertainty as to which hour is nearest the time of maximum or minimum, as the case may be.

222. When the maximum or minimum temperature occurs exactly at 8 a. m. or 8 p. m., 75th meridian time, the thermograph correction for that hour will be determined from the reading of the dry thermometer only.

## FORM No. 1030.

223. The mean temperature for the month will be obtained by dividing the sum of the mean maximum and mean minimum by 2 and will be entered at the foot of the column headed "Mean."

224. The pressure and precipitation will be recorded to hundredths; temperature to nearest whole degree, except in case of the monthly means at the foot of the first three columns, normal for this month, and the average daily excess or deficiency, which will be carried to tenths. The accumulated excess or deficiency since January 1 will be the same as that recorded on page 8, Form No. 1001.

225. The average daily excess or deficiency since January 1 will be obtained by dividing the accumulated amount on the date desired by the number of days since January 1, viz, if the accumulated excess on February 28 is 51, divide it by 59, the number of days since January 1, which gives +0.9 for the average daily excess.

226. When four copies or less are issued the form may be prepared by using carbon paper and a hard lead pencil. At stations possessing the necessary printing facilities the information may be published on blank sheets not larger than the standard form, or on cards not larger than one fold (one-fourth part) of the form; but no data called for by the standard form should be omitted, and the designation "Form No. 1030—Met'l" should appear at the top of the sheet or card and on the briefing fold of the sheet. A copy will be furnished each of the local papers and to such persons as are authorized; one copy will be forwarded to the Central Office also on the first day of the succeeding month.

227. When used for the Pacific Coast the average and excess or deficiency of precipitation will be computed from September 1.

228. A blank column has been provided for sunshine, snowfall, or such other data as may be desired.

229. The regular data called for on Form 1030—Met'l, will be prepared as formerly, but where special tables or other data involving time, as hourly values of temperature, precipitation, and the beginnings and endings of precipitation, etc., are published, they should appear in "local standard time" throughout the year.

## FORM No. 1083.

230. Form No. 1083 will be carried when taking an observation and the data entered immediately thereon.

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Form No. 1001—Met'l.

# U. S. DEPARTMENT OF AGRICULTURE

## WEATHER BUREAU

# ORIGINAL MONTHLY RECORD

## OF

# OBSERVATIONS

## AT

*Fort Wayne, Ind.*

## *For the Month of* JAN 1933 *, 193*

*Station is supplied with a barograph, thermograph, sunshine recorder, and self-recording rain gage.

†No. of dry thermometer in use, ----------; No. of wet thermometer in use, ----------; No. of maximum thermometer in use, ----------; No. of minimum thermometer in use, ----------

†Elevation above ground of the dry thermometer, ---------- feet; rain gage, ---------- feet; anemometer, ---------- feet.

If the office has been moved during the month, give date ----------; amount of change in height of barometer, ---------- feet (higher or lower)

No. of extra barometer, 675; sum of corrections, -.060; date and observation upon which use of station barometer commenced, May 20, 1911 7:00 A.M., station elevation, 857 feet; actual elevation, 816 feet.

Location of office: Number Federal Bldg; So. Harrison street, room 359, 361, 363, 365, 367; first observation taken in present office, 7 00 A m. October 9, 1932

*Cancel words that are not appropriate. † To be entered only in December unless changes are made during the year. Changes made during the year will be noted in the appropriate months. 8—154

# ORIGINAL MONTHLY RECORD OF OBSERVATIONS at Fort Wayne, Ind., for the Month of JAN 1933, 193

Number of Station barometer, 656; sum of corrections, −.052 inch.

OBSERVATIONS AT 8 A. M. 75TH MERIDIAN TIME, WHICH CORRESPONDS TO 7.00 A. M. 90 MERIDIAN TIME, THE STANDARD OF TIME IN LOCAL USE; 7:19 A. M. LOCAL MEAN TIME.

| Date. | Barometer. Attached thermometer. | Barometer. Observed reading. | Barometer. Total correction. | Barometer. Station. (Observed reading plus total cor.) (b) | Barometer. Reduced to sea-level. (b) | Thermometers. Dry. (b) | Thermometers. Wet. (b) | Dew-point. (b) | Relative humidity. (b) | Vapor pressure. (b) | Self-Reg. Ther's. Max. (b) | Self-Reg. Ther's. Min. (b) | Wind. Dir. | Wind. Velocity. (b) † | Wind. Max. during preceding 12 hours. | Wind. Dir. | Precipitation. Amt. at 8 a. m. (b) †† | Clouds. Amt. | Clouds. Kind. | Dir. from. | State of Weather. | Visibility. 8 a. m. | Visibility. Local noon. | Visibility. 8 p. m. | Initials of Observer: | Date. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | In. | | In. | In. | ° | ° | ° | % | In. | ° | ° | | Mi. | Mi. | | In. | | | | | | | | | |
| 1 | 66.0 | 29.714 | .152 | 29.562 | 30.54 | 17.4 | 16.2 | 13 | 80 | .074 | 20.0 | 16.0 | S | 8 | | | T | 4 | ci | ? | Part Cloudy | 6 | 6 | 6 | R&L | 1 |
| 2 | 71.0 | 29.446 | .165 | 29.281 | 30.24 | 27.0 | 26.7 | 26 | 96 | .136 | 29.8 | 27.0 | SW | 10 | | | 0 | 4 | ci | SW | Pt. Cloudy | 7 | 6 | 7 | BBW. | 2 |
| 3 | 72.5 | 29.280 | .168 | 29.112 | 30.06 | 34.0 | 31.0 | 27 | 72 | .143 | 34.1 | 29.1 | S | 9 | | | 0 | 10 | st cu | S | Cloudy | 6 | 6 | 6 | LCS. | 3 |
| 4 | 71.5 | 29.093 | .164 | 28.929 | 29.86 | 42.7 | 41.7 | 41 | 92 | .256 | 44.8 | 42.0 | SW | 15 | | | 0 | 10 | st cu | SW | Cloudy | 6 | 4 | 6 | R&L | 4 |
| 5 | 73.0 | 29.355 | .169 | 29.186 | 30.14 | 26.8 | 26.3 | 26 | 94 | .136 | 36.0 | 26.8 | W | 5 | | | 0 | 10 | st fog | W | Clear | 3 | 6 | 6 | LCS. | 5 |
| 6 | 68.0 | 29.294 | .156 | 29.138 | 30.09 | 30.7 | 29.7 | 28 | 89 | .150 | 35.0 | 30.7 | S | 7 | | | 0 | Few | ci | ? | Clear | 4 | 6 | 6 | R&L. | 6 |
| 7 | 76.5 | 29.015 | .177 | 28.838 | 29.76 | 39.4 | 36.0 | 32 | 73 | .180 | 48.8 | 39.4 | W | 22 | | | 0 | 10 | st cu | NW | Cloudy | 6 | 6 | 6 | R&L | 7 |
| | | | | | | | | | | | | | | | | | | 1 | as t | W | | | | | | |
| 8 | 70.5 | 29.394 | .164 | 29.230 | 30.18 | 27.9 | 26.7 | 24 | 86 | .124 | 34.2 | 27.5 | S | 7 | | | 0 | 1 | st cu | S | Clear | 6 | 6 | 6 | LCS. | 8 |
| 9 | 74.0 | 29.141 | .172 | 28.969 | 29.92 | 33.8 | 32.3 | 30 | 86 | .164 | 37.6 | 33.8 | NW | 12 | | | T | 10 | St | NW | Cloudy | 5 | 7 | 6 | R&L | 9 |
| | | | | | | | | | | | | | | | | | | 3 | as t | W | | | | | | |
| 10 | 67.5 | 29.172 | .155 | 29.017 | 29.97 | 32.4 | 30.4 | 27 | 79 | .143 | 32.4 | 27.2 | S | 12 | | | 0 | 7 | ac cu | W | Cloudy | 6 | 7 | 7 | LCS. | 10 |
| | | | | | | | | | | | | | | | | | | 4 | ac cu | W | | | | | | |
| 11 | 76.5 | 29.092 | .178 | 28.914 | 29.84 | 43.0 | 40.2 | 37 | 79 | .219 | 48.2 | 43.0 | W | 12 | | | T | 3 | as t | W | Part Cloudy | 6 | 6 | 6 | R&L | 11 |
| 12 | 75.0 | 29.552 | .176 | 29.376 | 30.35 | 15.8 | 13.8 | 8 | 66 | .057 | 20.2 | 15.8 | SW | 7 | | | T | 0 | — | — | Clear | 6 | 7 | 6 | LCS. | 12 |
| 13 | 69.0 | 29.504 | .160 | 29.344 | 30.31 | 26.2 | 23.2 | 16 | 64 | .085 | 28.4 | 24.4 | S | 12 | | | 0 | 9 | ac cu | SW | Cloudy | 6 | 6 | 6 | R&L | 13 |
| | | | | | | | | | | | | | | | | | | 4 | ac cu | W | | | | | | |
| 14 | 73.5 | 29.340 | .171 | 29.169 | 30.11 | 30.7 | 26.7 | 19 | 58 | .098 | 36.3 | 28.7 | SE | 8 | | | 0 | 5 | st cu | SE | Cloudy | 6 | 6 | 6 | LCS. | 14 |
| 15 | 71.0 | 29.367 | .164 | 29.203 | 30.15 | 31.7 | 29.0 | 25 | 72 | .130 | 31.7 | 24.3 | S | 10 | | | 0 | 2 | ac cu | NW | Clear | 6 | 6 | 6 | R&L | 15 |
| 16 | 75.5 | 29.310 | .176 | 29.134 | 30.07 | 39.5 | 36.5 | 32 | 76 | .180 | 43.3 | 36.6 | S | 9 | | | T | 10 | st cu | SW | Cloudy | 6 | 6 | 6 | R&L | 16 |
| 17 | 72.0 | 29.302 | .167 | 29.135 | 30.08 | 36.4 | 35.0 | 33 | 88 | .187 | 47.8 | 36.4 | W | 9 | | | 0 | 10 | st cu | W | Cloudy | 6 | 6 | 6 | LCS. | 17 |
| 18 | 75.0 | 29.340 | .175 | 29.165 | 30.10 | 31.7 | 30.5 | 29 | 88 | .157 | 33.5 | 31.5 | SE | 9 | | | T | 10 | as t | S | Cloudy | 5 | 4 | 3 | R&L | 18 |
| 19 | 70.0 | 28.796 | .160 | 28.636 | 29.55 | 54.0 | 46.6 | 39 | 57 | .237 | 56.5 | 41.0 | SW | 20 | 34 | SW | .86 | 5 | st | SW | Part Cloudy | 6 | 6 | 7 | LCS. | 19 |
| 20 | 79.0 | 29.436 | .186 | 29.250 | 30.20 | 27.7 | 25.9 | 22 | 79 | .113 | 36.7 | 27.7 | W | 8 | | | 0 | 0 | — | — | Clear | 6 | 7 | 6 | R&L | 20 |
| | | | | | | | | | | | | | | | | | | 10 | nb | SW | | | | | | |
| 21 | 66.5 | 29.101 | .151 | 28.950 | 29.89 | 43.3 | 43.3 | 43 | 100 | .277 | 43.3 | 37.8 | SW | 4 | | | T | 10 | D. 7 fog | SW | Misting | 1 | 4 | 2 | LCS. | 21 |
| 22 | 78.0 | 28.656 | .180 | 28.476 | 29.39 | 55.0 | 54.0 | 53 | 94 | .402 | 56.1 | 50.6 | S | 15 | | | 0.42 | 10 | st cu | SW | Cloudy | 7 | 6 | 6 | BBW. | 22 |
| 23 | 79.5 | 29.128 | .186 | 28.942 | 29.87 | 41.0 | 39.1 | 37 | 85 | .219 | 51.0 | 41.0 | W | 6 | | | T | 10 | st cu | W | Cloudy | 5 | 6 | 6 | R&L. | 23 |
| 24 | 70.5 | 29.374 | .163 | 29.211 | 30.15 | 31.3 | 28.8 | 25 | 74 | .130 | 42.0 | 31.3 | E | 5 | | | 0 | 0 | — | — | Clear | 6 | 6 | 6 | LCS. | 24 |
| 25 | 75.5 | 28.891 | .175 | 28.716 | 29.65 | 35.0 | 33.3 | 31 | 84 | .172 | 42.0 | 34.5 | NE | 7 | | | .03 | 10 | St | NE | Light Rain | 5 | 5 | 5 | LCS. | 25 |
| 26 | 75.0 | 29.124 | .174 | 28.950 | 29.89 | 36.0 | 35.4 | 35 | 94 | .203 | 42.8 | 36.0 | N | 3 | | | T | 10 | St | NW | Cloudy | 5 | 5 | 6 | R&L | 26 |
| 27 | 73.0 | 28.634 | .167 | 28.467 | 29.40 | 33.6 | 33.1 | 33 | 95 | .187 | 36.7 | 33.6 | NE | 14 | | | .01 | 10 | St | NE | Light Snow | 5 | 6 | 6 | L.C.S. | 27 |
| 28 | 69.0 | 29.312 | .159 | 29.153 | 30.11 | 25.0 | 23.7 | 21 | 83 | .108 | 28.8 | 25.0 | NW | 7 | | | T | 10 | st cu | NW | Cloudy | 6 | 7 | 7 | R&L. | 28 |
| 29 | 75.0 | 29.380 | .176 | 29.204 | 30.16 | 21.0 | 20.5 | 19 | 93 | .098 | 25.0 | 20.4 | NW | 3 | | | 0 | 1 | ac cu | W | Clear | 5 | 7 | 7 | L.C.S. | 29 |
| 30 | 73.5 | 29.220 | .171 | 29.049 | 30.00 | 28.4 | 27.3 | 25 | 87 | .130 | 29.8 | 25.5 | SE | 9 | | | 0 | 10 | st cu | SE | Cloudy | 5 | 5 | 5 | R&L | 30 |
| 31 | 75.0 | 29.347 | .175 | 29.172 | 30.11 | 33.9 | 33.3 | 33 | 94 | .187 | 33.9 | 33.3 | S | 2 | | | 0 | 10 | St | S | Cloudy | 4 | 5 | 5 | L.C.S. | 31 |
| | | | | | | | | | | | | | | | | | | 10 | H fog | S | | | | | | |
| Sums | | (a) | (a) | 900.878 | 930.14 | 1032.3 | 976.2 | 889 | 2557 | 5.082 | (a) | (a) | (c) | 291 | | | 1.32 | 213 | (a) | (a) | (a) | (a) | (a) | (a) | (a) | |
| Means | | (a) | (a) | 29.061 | 30.005 | 33.3 | 31.5 | 28.7 | 82.5 | .164 | (a) | (a) | S | 9.4 | | | (a) | 6.9 | U ac cu L st cu | U W L SW | (a) | (a) | (a) | (a) | (a) | |

8—154 Reference letters in this form refer to paragraph 121, "Instructions for Preparing Meteorological Forms."

† By dial when self-register is out of order.

†† T indicates trace of precipitation.

Wind data corrected to true velocity.

U, upper clouds. L, lower clouds.

Use visibility scale in "Instructions for Preparing Meteorological Forms."

# ORIGINAL MONTHLY RECORD OF OBSERVATIONS at Fort Wayne, Ind., for the Month of JAN 1933, 1933

Number of Station barometer, 656; sum of corrections, −.052 inch.

OBSERVATIONS AT 8 P. M. 75TH MERIDIAN TIME, WHICH CORRESPONDS TO 7.00 P. M. 90 MERIDIAN TIME, THE STANDARD OF TIME IN LOCAL USE; 7.19 P. M. LOCAL MEAN TIME.

| Date. | Barometer. Attached thermometer. | Barometer. Observed reading. In. | Barometer. Total correction. | Barometer. Station. (Observed reading plus total cor.) (b) In. | Barometer. Reduced to sea-level. (b) In. | Thermometers. Dry. (b) ° | Thermometers. Wet. (b) ° | Dew-point. (b) ° | Relative humidity. (b) % | Vapor pressure. (b) In. | Self-Reg. Ther's. Max. (b) ° | Self-Reg. Ther's. Min. (b) ° | Wind. Dir. | Wind. Velocity. (b) † Mi. | Wind. Max. during preceding 12 hours. Mi. | Wind. Dir. | Precipitation. Amt. at 8 p. m. (b) †† In. | Clouds. Amt. | Clouds. Kind. | Clouds. Dir. from. | State of Weather. | Fog, Mid. to Mid. (Local standard time.) Light (f). Began. | Light (f). Ended. | Dense (f). Began. | Dense (f). Ended. | Initials of observer. | Date. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 66.0 | 29.442 | .152 | 29.260 | 30.22 | 29.8 | 27.3 | 23 | 73 | .118 | 30.8 | 17.4 | S | 16 | | | 0 | 0 | — | — | Clear | | | | | REL | 1 |
| 2 | 75.0 | 29.424 | .176 | 29.248 | 30.20 | 34.1 | 30.0 | 24 | 62 | .124 | 38.0 | 27.0 | S | 12 | | | 0 | 0 | — | — | Clear | | | | | BBW | 2 |
| 3 | 71.0 | 29.148 | .164 | 28.984 | 29.92 | 42.7 | 39.2 | 35 | 74 | .203 | 45.6 | 34.0 | S | 14 | | | 0 | 10 | ast | ? | Cloudy | | | | | REL | 3 |
| 4 | 75.0 | 29.184 | .175 | 29.009 | 29.95 | 36.0 | 33.8 | 31 | 80 | .172 | 43.0 | 36.0 | NW | 8 | | | T | 1 | stCu | NW | Clear | 9:30 A | 3:00 P | | | LCS. | 4 |
| 5 | 71.5 | 29.283 | .165 | 29.118 | 30.07 | 35.0 | 31.8 | 27 | 71 | .143 | 40.3 | 26.0 | SW | 10 | | | 0 | 0 | — | — | Clear | DNA | 9:30 A | | | REL | 5 |
| 6 | 77.0 | 29.081 | .179 | 28.902 | 29.84 | 47.0 | 39.8 | 31 | 52 | .172 | 47.9 | 30.7 | S | 16 | | | 0 | 10 | ast | W | Cloudy | | | | | LCS. | 6 |
| 7 | 73.5 | 29.424 | .172 | 29.252 | 30.20 | 34.0 | 30.5 | 25 | 67 | .130 | 40.0 | 34.0 | NW | 5 | | | T | 9<br>8 | aCu<br>aCu | W<br>W | Cloudy | | | | | LCS. | 7 |
| 8 | 69.5 | 29.200 | .160 | 29.040 | 29.99 | 37.6 | 34.4 | 30 | 73 | .164 | 41.9 | 27.9 | S | 10 | | | 0 | 2 | stCu | S | Cloudy | | | | | LCS. | 8 |
| 9 | 72.0 | 29.277 | .167 | 29.110 | 30.06 | 29.8 | 26.8 | 22 | 68 | .113 | 33.8 | 29.8 | W | 10 | | | 0 | 10 | StCu | W | Cloudy | | | | | LCS. | 9 |
| 10 | 77.0 | 29.010 | .179 | 28.831 | 29.76 | 44.4 | 36.9 | 26 | 47 | .136 | 49.0 | 32.4 | S | 15 | | | 0 | 2<br>3<br>5 | aCu<br>Ci St<br>aCu | SW<br>SW<br>W | Part Cloudy | | | | | REL | 10 |
| 11 | 72.5 | 29.393 | .169 | 29.224 | 30.17 | 20.2 | 17.8 | 12 | 65 | .070 | 43.0 | 20.2 | W | 14 | | | T | 4 | stCu | W | Light Snow | | | | | LCS. | 11 |
| 12 | 71.5 | 29.504 | .166 | 29.338 | 30.31 | 28.4 | 24.9 | 18 | 60 | .093 | 30.2 | 15.5 | S | 12 | | | 0 | 10 | aCu | SW | Cloudy | | | | | REL | 12 |
| 13 | 74.0 | 29.464 | .173 | 29.291 | 30.25 | 36.3 | 29.2 | 15 | 39 | .081 | 40.0 | 26.2 | S | 8 | | | 0 | 10 | aCu | W | Cloudy | | | | | LCS. | 13 |
| 14 | 74.0 | 29.392 | .173 | 29.219 | 30.17 | 28.7 | 26.2 | 22 | 72 | .113 | 35.7 | 28.7 | W | 6 | | | T | 0 | — | — | Clear | | | | | REL | 14 |
| 15 | 75.0 | 29.315 | .175 | 29.140 | 30.08 | 43.3 | 37.8 | 30 | 60 | .164 | 51.8 | 31.7 | SW | 15 | | | 0 | 1 | aCu | W | Clear | | | | | REL | 15 |
| 16 | 71.0 | 29.172 | .164 | 29.008 | 29.95 | 46.8 | 44.3 | 42 | 83 | .266 | 48.5 | 39.5 | SW | 18 | | | T | 10 | StCu | SW | Cloudy | | | | | LCS. | 16 |
| 17 | 75.0 | 29.388 | .176 | 29.212 | 30.15 | 33.5 | 32.0 | 30 | 86 | .164 | 36.8 | 33.5 | W | 7 | | | 0 | 0 | — | — | Clear | | | | | REL | 17 |
| 18 | 71.5 | 29.001 | .164 | 28.837 | 29.78 | 41.0 | 40.5 | 40 | 96 | .247 | 41.0 | 31.7 | E | 12 | | | 0.20 | 10<br>10 | st<br>St Fog | E<br>E | Light Rain | 7:15 A | DNP | | | LCS. | 18 |
| 19 | 78.0 | 29.207 | .182 | 29.025 | 29.96 | 36.7 | 31.2 | 22 | 53 | .113 | 54.0 | 36.7 | W | 22 | 35 | W | 0 | 0 | — | — | Clear | | | | | REL | 19 |
| 20 | 70.0 | 29.280 | .162 | 29.118 | 30.07 | 37.8 | 32.9 | 26 | 60 | .136 | 39.9 | 27.5 | SE | 8 | | | 0 | 10 | ast | W | Cloudy | 9:00 P | cnt'd | | | LCS. | 20 |
| 21 | 80.0 | 28.992 | .187 | 28.805 | 29.72 | 50.6 | 50.6 | 51 | 100 | .373 | 51.0 | 43.3 | S | 6 | | | T | 10<br>10 | nb<br>0 Fog | S<br>S | Fog Misting | 9:15 A<br>cnt'd | 3:30 P<br>DNA | 3:30 P<br>DNA | cnt'd<br>9:15 A | RBW | 21 |
| 22 | 81.0 | 28.821 | .188 | 28.633 | 29.54 | 51.0 | 46.0 | 41 | 69 | .256 | 62.1 | 51.0 | W | 24 | 34 | SW | .05 | 10 | StCu | W | Cloudy | | | cnt'd | DNA | RBW | 22 |
| 23 | 77.0 | 29.266 | .180 | 29.086 | 30.03 | 42.0 | 36.0 | 28 | 55 | .150 | 46.9 | 39.8 | NW | 3 | | | 0 | 0 | — | — | Clear | | | | | LCS. | 23 |
| 24 | 73.5 | 29.174 | .171 | 29.003 | 29.95 | 42.0 | 37.1 | 30 | 63 | .164 | 48.7 | 30.4 | E | 12 | | | 0 | 0 | — | — | Clear | | | | | REL | 24 |
| 25 | 78.5 | 29.032 | .183 | 28.849 | 29.78 | 42.8 | 41.7 | 41 | 91 | .256 | 46.0 | 34.3 | NW | 7 | | | .15 | 10 | StCu | NW | Cloudy | 8:00 a | 12:30 P | | | REL | 25 |
| 26 | 73.0 | 28.902 | .168 | 28.734 | 29.67 | 36.7 | 34.7 | 32 | 83 | .180 | 38.9 | 35.8 | E | 9 | | | T | 7 | aCu | W | Part Cloudy | 8:00 a | 1:00 P | | | LCS. | 26 |
| 27 | 71.5 | 29.558 | .164 | 28.894 | 29.84 | 28.8 | 27.8 | 26 | 89 | .136 | 37.7 | 28.8 | NW | 13 | | | .08 | 10 | st | NW | Light Snow | | | | | REL | 27 |
| 28 | 73.0 | 29.373 | .169 | 29.204 | 30.16 | 25.0 | 23.6 | 21 | 82 | .108 | 27.5 | 24.6 | NW | 6 | | | 0 | 10 | StCu | NW | Cloudy | | | | | LCS. | 28 |
| 29 | 72.5 | 29.298 | .168 | 29.130 | 30.09 | 29.8 | 27.7 | 24 | 77 | .124 | 33.4 | 21.0 | SW | 10 | | | 0 | 10 | aCu | W | Cloudy | | | | | LCS. | 29 |
| 30 | 78.0 | 29.242 | .182 | 29.060 | 30.01 | 33.9 | 33.0 | 32 | 91 | .180 | 33.9 | 28.4 | SW | 8 | | | .03 | 4<br>6 | ast<br>st | W<br>SW | Cloudy | 8:00 P<br>cnt'd<br>11:25 A | cnt'd<br>7:05 A<br>2:00 P | 7:05 A | 11:25 A | LCS. | 30 |
| 31 | 74.0 | 29.196 | .172 | 29.024 | 29.97 | 40.0 | 37.9 | 35 | 83 | .203 | 44.4 | 31.8 | S | 12 | | | 0 | 10 | aCu | W | Cloudy | | | | | REL | 31 |
| Sums | (a) | (a) | | 900.588 | 929.86 | 1145.7 | 1043.4 | 892 | 2224 | 5.052 | (a) | (a) | (a) | 348 | (a) | (a) | 0.51 | 202 | (a) | (a) | (a) | (a) | (a) | (a) | (a) | (a) | |
| Means | (a) | (a) | | 29.051 | 29.995 | 37.0 | 33.7 | 28.8 | 71.7 | .163 | (a) | (a) | (c) S | 11.2 | (a) | (a) | (a) | 6.5 | UaCu LStCu | UW LNW | (a) | (a) | (a) | (a) | (a) | (a) | (a) | |

Observations are begun about 7.40 o'clock, 75th meridian time.

† By dial when self-register is out of order.

†† T indicates trace of precipitation.

Wind data corrected to true velocity.

U, upper clouds. L, lower clouds.

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# ORIGINAL MONTHLY RECORD OF OBSERVATIONS at Fort Wayne, Ind., for the Month of JAN 1933, 193

| Date. | TEMPERATURE. Maximum. (b) | Minimum (b) | Range. (b) | Change. (b) | Mean (max. and min.). (b) | Normal. | Departure. | Total excess or deficiency since 1st of month. | PRECIPITATION. Character. ‡ | Beginning. | Ending. | Character ‡ | Beginning. | Ending. | Character. ‡ | Beginning. | Ending. | Character. ‡ | Beginning. | Ending. | Total (mid. to mid.). (b)†† | Normal. | Departure. | Total excess or deficiency since 1st of month. | Hail and sleet unmelted. 7 p.m. to 7 p.m. *‡‡ | Snow unmelted. 7 p.m. to 7 p.m. *‡‡ | Hail, sleet, and snow on ground at 7 p.m. *‡‡ | Amount of precipitation from melted snow (mid. to mid.). | Date. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | ° | ° | ° | ° | ° (26) | | | | | | | | | | | | | | | | In. | | | | In. | In. | In. | In. | |
| 1 Sunday | 31 | 16 | 15 | 2 | 24 | | | | | | | | | | | | | | | | 0 | .08 | -.08 | -.08 | 0 | T | 0 | 0 | 1 |
| 2 | 38 | 27 | 11 | 8 | 32 | | | | | | | | | | | | | | | | 0 | .07 | -.07 | -.15 | 0 | 0 | 0 | 0 | 2 |
| 3 | 46 | 29 | 17 | 6 | 38 | | | | | | | | | | | | | | | | 0 | .08 | -.08 | -.23 | 0 | 0 | 0 | 0 | 3 |
| 4 | 44 | 30 | 14 | 1 | 37 | | | | | | | | | | | | | | | | T | .07 | -.07 | -.30 | 0 | 0 | 0 | 0 | 4 |
| 5 | 40 | 26 | 14 | 4 | 33 | | | | | | | | | | | | | | | | 0 | .08 | -.08 | -.38 | 0 | 0 | 0 | 0 | 5 |
| 6 | 49 | 31 | 18 | 7 | 40 | | | | | | | | | | | | | | | | 0 | .08 | -.08 | -.46 | 0 | 0 | 0 | 0 | 6 |
| 7 | 46 | 31 | 15 | 2 | 38 | | | | | | | | | | | | | | | | T | .07 | -.07 | -.53 | 0 | T | 0 | T | 7 |
| 8 | 42 | 28 | 14 | 3 | 35 | | | | | | | | | | | | | | | | 0 | .07 | -.07 | -.60 | 0 | 0 | 0 | 0 | 8 |
| 9 | 35 | 27 | 8 | 4 | 31 | | | | | | | | | | | | | | | | T | .07 | -.07 | -.67 | 0 | 0 | 0 | 0 | 9 |
| 10 | 49 | 28 | 21 | 7 | 38 | | | | | | | | | | | | | | | | 0 | .07 | -.07 | -.74 | 0 | 0 | 0 | 0 | 10 |
| 11 | 48 | 19 | 29 | 4 | 34 | | | | | | | | | | | | | | | | T | .07 | -.07 | -.81 | 0 | T | T | T | 11 |
| 12 | 30 | 16 | 14 | 11 | 23 | | | | | | | | | | | | | | | | 0 | .07 | -.07 | -.88 | 0 | T | 0 | 0 | 12 |
| 13 | 40 | 24 | 16 | 9 | 32 | | | | | | | | | | | | | | | | 0 | .07 | -.07 | -.95 | 0 | 0 | 0 | 0 | 13 |
| 14 | 36 | 25 | 11 | 2 | 30 | | | | | | | | | | | | | | | | T | .07 | -.07 | -1.02 | 0 | 0 | 0 | 0 | 14 |
| 15 | 52 | 24 | 28 | 8 | 38 | | | | | | | | | | | | | | | | 0 | .07 | -.07 | -1.09 | 0 | 0 | 0 | 0 | 15 |
| 16 | 48 | 37 | 11 | 4 | 42 | | | | | | | | | | | | | | | | T | .08 | -.08 | -1.17 | 0 | 0 | 0 | 0 | 16 |
| 17 | 48 | 32 | 16 | 2 | 40 | | | | | | | | | | | | | | | | 0 | .08 | -.08 | -1.25 | 0 | 0 | 0 | 0 | 17 |
| 18 | 56 | 32 | 24 | 4 | 44 | | | | | | | | | | | | | | | | .70 | .09 | +.61 | -.64 | T | 0 | 0 | 0 | 18 |
| 19 | 56 | 32 | 24 | 0 | 44 | | | | | | | | | | | | | | | | .36 | .09 | +.27 | -.37 | 0 | 0 | 0 | 0 | 19 |
| 20 | 40 | 28 | 12 | 10 | 34 | | | | | | | | | | | | | | | | 0 | .08 | -.08 | -.45 | 0 | 0 | 0 | 0 | 20 |
| 21 | 56 | 39 | 17 | 14 | 48 | | | | | | | | | | | | | | | | .20 | .08 | +.12 | -.33 | 0 | 0 | 0 | 0 | 21 |
| 22 | 62 | 44 | 18 | 5 | 53 | | | | | | | | | | | | | | | | .27 | .08 | +.19 | -.14 | 0 | 0 | 0 | 0 | 22 |
| 23 | 47 | 37 | 10 | 11 | 42 | | | | | | | | | | | | | | | | 0 | .07 | -.07 | -.21 | 0 | 0 | 0 | 0 | 23 |
| 24 | 49 | 30 | 19 | 2 | 40 | | | | | | | | | | | | | | | | 0 | .07 | -.07 | -.28 | 0 | 0 | 0 | 0 | 24 |
| 25 | 46 | 34 | 12 | 0 | 40 | | | | | | | | | | | | | | | | .18 | .07 | +.11 | -.17 | 0 | 0 | 0 | 0 | 25 |
| 26 | 40 | 35 | 5 | 2 | 38 | | | | | | | | | | | | | | | | T | .07 | -.07 | -.24 | 0 | 0 | 0 | 0 | 26 |
| 27 | 38 | 28 | 10 | 5 | 33 | | | | | | | | | | | | | | | | 1.11 | .09 | .07 | +.02 | -.22 | 0 | 0.4 ⊗ | T | .08 | 27 |
| 28 | 28 | 23 | 5 | 7 | 26 | | | | | | | | | | | | | | | | 0 | .07 | -.07 | -.29 | 0 | T | T | 0 | 28 |
| 29 | 33 | 20 | 13 | 0 | 26 | | | | | | | | | | | | | | | | 0 | .08 | -.08 | -.37 | 0 | 0 | 0 | 0 | 29 |
| 30 | 34 | 26 | 8 | 4 | 30 | | | | | | | | | | | | | | | | .03 | .08 | -.05 | -.42 | 0 | 0.3 | 0.1 | .03 | 30 |
| 31 | 44 | 32 | 12 | 8 | 38 | | | | | | | | | | | | | | | | T | .08 | -.08 | -.50 | 0 | 0 | 0 | 0 | 31 |
| S | 1351 | 890 | 461 | 156 | 1121 | | Total excess or deficiency since Jan. 1, Degree days | | (a) | (a) | (a) | (a) | (a) | (a) | (a) | (a) | (a) | (a) | (a) | (a) | 1.83 | 2.33 | Total excess or deficiency since Jan. 1, | T | 0.7 | (a) | (a) | (a) | |
| M | 43.6 | 28.7 | 14.9 | 5.0 | (a) | (a) | 894 | | (a) | (a) | (a) | (a) | (a) | (a) | (a) | (a) | (a) | (a) | (a) | (a) | (a) | (a) | — 0.50 | (a) | (a) | (a) | (a) | (a) | |

× Mid. to Mid. Estimated

⊗ Partly melted as it fell.

All data are in the standard of time in local use. ‡ Use the following abbreviations: R—rain, Sd—dry snow, Sm—moist snow, H—hail, Sl—sleet. †† T indicates trace of precipitation. ‡‡ Enter the local standard time of observation. * Inches and tenths



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# SUMMARY FOR THE MONTH OF JAN 1933, 193

The 8 a. m. and 8 p. m. means of pressure, dry and wet thermometers, dew-point, humidity, vapor pressure, and mean cloudiness are in 75th meridian time. All other data are in the standard of time in local use.

## PRESSURE.

(Correction to reduce to a 24-hour mean: .005)

| STATION. | | | | | | | | REDUCED. | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Mean. | | | Highest. (h) | Date. | Lowest. (h) | Date. | Absolute range. | Mean. | | | Highest. (h) | Date. | Lowest. (h) | Date. | Absolute range. |
| 8 a. m. | 8 p. m. | Monthly. (g) | | | | | | 8 a. m. | 8 p. m. | Monthly. (g) | | | | | |
| 29.061 | 29.051 | 29.056 | 29.562 | 1 | 28.400 | 22 | 1.162 | 30.005 | 29.995 | 30.000 | 30.54 | 1 | 29.31 | 22 | 1.23 |
| Corrected mean.... | | 29.051 | | | | | | Corrected mean.... | | 29.995 | | | | | |

## TEMPERATURE.

| Mean. | | | | | | | | | Highest. (i) | Date. (i) | Lowest. (i) | Date. (i) | Absolute range. | Greatest daily range. (i) | Date. (i) | Least daily range. (i) | Date. (i) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Dry. | | | Wet. | | | Max. | Min. | Monthly. (g) | | | | | | | | | |
| 8 a. m. | 8 p. m. | (8+8)÷2 (g) | 8 a. m. | 8 p. m. | Monthly. (g) | | | | | | | | | | | | |
| 33.3 | 37.0 | 35.2 | 31.5 | 33.7 | 32.6 | 43.6 | 28.7 | 36.2 | 62 | 22 | 16 | 12 | 46 | 29 | 11 | 5 | 26 |

| Dew-point. | | | Relative Humidity. | | | Vapor Pressure. | | | Number of days with—(j) | | | | Clouds. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | Maximum. | | Minimum. | | |
| 8 a. m. | 8 p. m. | Monthly. (g) | 8 a. m. | 8 p. m. | Monthly. (g) | 8 a. m. | 8 p. m. | Monthly. (g) | 32° or below. | 90° or above. | 32° or below. | Zero or below. | |
| 28.7 | 28.8 | 28.8 | 82.5 | 71.7 | 77.1 | .164 | .163 | .164 | 3 | 0 | 25 | 0 | Most frequent clouds... Strato - Cumulus<br>Most frequent direction upper clouds... West<br>Most frequent direction lower clouds... Southwest |

## WIND.

(Wind data corrected to true velocity.)

| Total movement (mid. to mid.). | Average hourly velocity. | Prevailing direction. (p) | Maximum velocity. (r) | Direction. (r) | Date. (r) | Number of Times Wind Observed from the— | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | N. | NE. | E. | SE. | S. | SW. | W. | NW. | Calm. |
| 8122 | 10.9 | S | 35 | W | 19 | 1 | 2 | 4 | 4 | 20 | 10 | 12 | 9 | 0 |

## WEATHER.

| Mean Cloudiness. | | | Sunshine. | Number of Days. | | | Number of Days with Precipitation (Mid. to Mid.). | | |
|---|---|---|---|---|---|---|---|---|---|
| 8 a. m. | 8 p. m. | Monthly. (t) | Percentage of possible. | Clear. | Partly cloudy. | Cloudy. | Clear. (u) | Partly cloudy. (u) | Cloudy. (u) |
| 6.9 | 6.5 | 7.1 | 42 | 7 | 6 | 18 | 1 | 0 | 6 |

## MISCELLANEOUS PHENOMENA.

Dates of—(Midnight to Midnight).

| Frosts. | | | Thunderstorms. (v) | Winds. (32 miles or over.) | Solar Halos. | Lunar Halos. | Fog. | | Haze. | | Smoke. | | Hail. | Aurora. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Light. | Heavy. | Killing. | | | | | Light. | Dense. | Light. | Dense. | Light. | Dense. | | |
| — | — | — | 0 | 19, 22 | 2,8,10,20 | 6 | 31, 21,25,26,30, 4,5,18,20, | 21,22,31 | 1,2,3,5, 6,13,14, 27 | 17,23, 25,26 | — | — | 0 | 0 |

## PRECIPITATION (in inches and hundredths). (m)

| Total amount | Greatest amount in 24 consecutive hours. | | Excessive. | | | | | | Number of days with—(Mid. to Mid.). | | | | | | Snow. | | Snow. | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | 2.50 inches in 24 hours. (l) * | | | 1 inch per hour. (l) | | | Trace. | .01 or more. | .04 or more. | .25 or more. | 1.00 or more. | Total. | Trace or more. | .01 or more melted. | Total depth. (o) | Average depth at end of month. |
| | Amt. | Date. (k) | Amt. | Duration. h. m. | Date. (k) | Amt. | Duration. h. m. | Date. (k) | | | | | | | | | | |
| 1.83 | 1.06 | 18-19 | — | — | — | — | — | — | 8 | 7 | 6 | 3 | 0 | 15 | 4 | 2 | 0.7 | 0 |

(w) Maximum precipitation in 5 minutes —, date —; 10 minutes —, date —; 15 minutes —, date —:

30 minutes —, date —; 1 hour —, date —; 2 hours —, date —.

Tipping bucket only Partially in use

## EXCESSIVE.

| Date. | Total Duration. | | Total amount of precipitation. | Excessive Rate. | | Amt. before excessive began. | Accumulated Depths During Excessive Rate for Consecutive Periods of Time Indicated Below. | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | From— | To— | | Began— | Ended— | | 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
| | | None | | | | | | | | | | None | | | | | | | | |

* The duration is the time precipitation was actually recorded.

8—154

Prepared by Lloyd C. Skinner

B B Whitlow, Meteorologist, Weather Bureau.

(6)

ORIGINAL MONTHLY RECORD OF OBSERVATIONS at Fort Wayne, Ind., for the Month of JAN 1933, 193

Number of Station barometer, 656; sum of corrections, −.052 inch.

| Date. | SPECIAL OBSERVATIONS. | | | | | | | | | | | | | | | | | | | | | | Date. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Time. | | Barometer. | | | | | Thermometers. | | Dew-point. | Depression of the dew-point. | Relative humidity. | Maximum thermometer. | Wind. | | | | Precipitation. †† | Clouds. | | | State of Weather. | Special Phenomena. | Initials of Observer. | |
| | 75th mer. | Local (standard). | Attached thermometer | Observed reading. | Total correction. | Station. (Observed reading plus total cor.) | Reduced to sea-level. | Dry. | Wet. | | | | | Direction. | Velocity. † | Max. since last observation. | Direction. | | Amt. | Kind. | Dir. from. | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | |

ORIGINAL MONTHLY RECORD OF OBSERVATIONS at Fort Wayne, Ind., for the Month of JAN 1933, 193

Wind—Number of Miles and Length of Time From. (Standard of time in local use, 90 meridian.)

| DATE. | N. | | NE. | | E. | | SE. | | S. | | SW. | | W. | | NW. | | CALM. | | TOTAL. | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Miles. | Hours. | Miles. | Hours. | Miles. | Hours. | Miles. | Hours. | Miles. | Hours. | Miles. | Hours. | Miles. | Hours. | Miles. | Hours. | Miles. | Hours. | Miles. | Hours. |
| 1 | | | 9 | 2 | | | 22 | 3 | 195 | 13 | 97 | 6 | | | | | | | 323 | 24 |
| 2 | | | | | | | | | 98 | 10 | 181 | 14 | | | | | | | 279 | 24 |
| 3 | | | | | | | | | 211 | 18 | 73 | 6 | | | | | | | 284 | 24 |
| 4 | | | | | | | | | | | 185 | 13 | 77 | 8 | 25 | 3 | | | 287 | 24 |
| 5 | | | | | | | | | 43 | 4 | 141 | 14 | 39 | 6 | | | | | 223 | 24 |
| 6 | | | | | | | | | 164 | 12 | 160 | 12 | | | | | | | 324 | 24 |
| 7 | | | | | | | | | | | 57 | 4 | 213 | 13 | 46 | 7 | | | 316 | 24 |
| 8 | | | | | | | | | 78 | 9 | 143 | 12 | 15 | 3 | | | | | 236 | 24 |
| 9 | | | | | | | | | 20 | 2 | 35 | 4 | 79 | 8 | 117 | 10 | | | 251 | 24 |
| 10 | | | | | | | | | 282 | 18 | 109 | 6 | | | | | | | 391 | 24 |
| 11 | | | | | | | | | | | 85 | 6 | 168 | 12 | 98 | 6 | | | 351 | 24 |
| 12 | | | | | | | | | 81 | 8 | 96 | 9 | 76 | 7 | | | | | 253 | 24 |
| 13 | | | | | | | | | 226 | 24 | | | | | | | | | 226 | 24 |
| 14 | | | | | | | 7 | 1 | 81 | 11 | 30 | 3 | 93 | 9 | | | | | 211 | 24 |
| 15 | | | | | | | | | 180 | 15 | 131 | 9 | | | | | | | 311 | 24 |
| 16 | | | | | | | | | 164 | 14 | 166 | 10 | | | | | | | 330 | 24 |
| 17 | | | | | | | | | | | | | 237 | 24 | | | | | 237 | 24 |
| 18 | | | 5 | 1 | 110 | 13 | 30 | 3 | 32 | 2 | 20 | 1 | | | 17 | 4 | | | 214 | 24 |
| 19 | | | | | | | | | | | 230 | 11 | 287 | 13 | | | | | 517 | 24 |
| 20 | | | | | | | 23 | 3 | 55 | 7 | 40 | 5 | 97 | 9 | | | | | 215 | 24 |
| 21 | | | | | | | 35 | 5 | 71 | 12 | 46 | 7 | | | | | | | 152 | 24 |
| 22 | | | | | | | 8 | 1 | 76 | 6 | 199 | 10 | 143 | 7 | | | | | 426 | 24 |
| 23 | | | | | | | | | | | | | 51 | 6 | 99 | 18 | | | 150 | 24 |
| 24 | 5 | 1 | 5 | 1 | 107 | 13 | 76 | 6 | | | | | | | 9 | 3 | | | 202 | 24 |
| 25 | | | 72 | 11 | | | | | | | | | 6 | 1 | 91 | 12 | | | 169 | 24 |
| 26 | 26 | 5 | 27 | 5 | 103 | 12 | | | | | | | | | 16 | 2 | | | 172 | 24 |
| 27 | 71 | 5 | 130 | 10 | | | | | | | | | | | 130 | 9 | | | 331 | 24 |
| 28 | | | | | | | | | | | | | | | 217 | 24 | | | 217 | 24 |
| 29 | | | | | | | 8 | 1 | 48 | 7 | 12 | 2 | 21 | 4 | 43 | 10 | | | 132 | 24 |
| 30 | | | | | | | 9 | 1 | 130 | 15 | 55 | 8 | | | | | | | 194 | 24 |
| 31 | | | | | | | 91 | 9 | 84 | 10 | 23 | 5 | | | | | | | 198 | 24 |
| Sum, | 102 | 11 | 248 | 30 | 320 | 38 | 309 | 33 | 2319 | 217 | 2314 | 177 | 1602 | 130 | 908 | 108 | 0 | 0 | 81-22 | 744 |
| Percentage, | 1 | 2 | 3 | 4 | 4 | 5 | 4 | 4 | 29 | 29 | 28 | 24 | 20 | 17 | 11 | 15 | 0 | 0 | a | a |
| Avg. Hourly Velocity, | 9.3 | a | 8.3 | a | 8.4 | a | 9.4 | a | 10.7 | a | 13.1 | a | 12.3 | a | 8.4 | a | 0 | a | 10.9 | a |

Wind data corrected to true velocity.

8—154

# ORIGINAL MONTHLY RECORD OF OBSERVATIONS at Fort Wayne, Ind., for the Month of FEB 1933, 193

Number of Station barometer, 656; sum of corrections, −.052 inch.

OBSERVATIONS AT 8 A. M. 75TH MERIDIAN TIME, WHICH CORRESPONDS TO 7.00 A. M. 90 MERIDIAN TIME, THE STANDARD OF TIME IN LOCAL USE; 7:19 A. M. LOCAL MEAN TIME.

| Date. | Barometer. Attached thermometer. | Barometer. Observed reading. | Barometer. Total correction. | Barometer. Station. (Observed reading plus total cor.) (b) | Barometer. Reduced to sea-level. (b) | Thermometers. Dry. (b) | Thermometers. Wet. (b) | Dew-point. (b) | Relative humidity. (b) | Vapor pressure. (b) | Self-Reg. Ther's. Max. (b) | Self-Reg. Ther's. Min. (b) | Wind. Dir. | Wind. Velocity. (b) † | Wind. Max. during preceding 12 hours. | Wind. Dir. | Precipitation. Amt. at 8 a. m. (b) †† | Clouds. Amt. | Clouds. Kind. | Dir. from. | State of Weather. | Visibility. 8 a. m. | Visibility. Local noon. | Visibility. 8 p. m. | Initials of Observer: | Date. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | In. | | In. | In. | ° | ° | ° | % | In. | ° | ° | | Mi. | Mi. | | In. | | | | | | | | | |
| 1 | 72.0 | 28.826 | .165 | 28.661 | 29.58 | 45.7 | 44.7 | 44 | 93 | .287 | 45.7 | 40.0 | S | 18 | | | .09 | 10 | St Cu | SW | Cloudy | 6 | 8 | 8 | RCL | 1 |
| 2 | 76.0 | 29.111 | .176 | 28.935 | 29.88 | 30.5 | 28.0 | 24 | 74 | .124 | 39.0 | 30.5 | W | 14 | | | 0 | 10 | St Cu | W | Cloudy | 7 | 7 | 7 | LCS. | 2 |
| 3 | 77.0 | 29.366 | .180 | 29.186 | 30.15 | 25.6 | 23.5 | 19 | 74 | .098 | 27.7 | 25.6 | W | 7 | | | 0 | 0 | — | — | Clear | 5 | 6 | 6 | RCL | 3 |
| 4 | 69.0 | 29.098 | .158 | 28.940 | 29.90 | 20.7 | 18.9 | 14 | 74 | .077 | 33.2 | 20.7 | W | 10 | | | 0 | 4<br>5 | Ci St<br>St Cu | W<br>W | Cloudy | 5 | 6 | 6 | LCS. | 4 |
| 5 | 72.0 | 29.250 | .167 | 29.083 | 30.05 | 3.0 | 2.2 | −2 | 77 | .034 | 15.7 | 3.0 | W | 15 | | | T | Few | a Cu | NW | Clear | 7 | 7 | 7 | RCL | 5 |
| 6 | 72.0 | 29.207 | .167 | 29.040 | 30.01 | 16.1 | 14.5 | 9 | 73 | .060 | 16.1 | 11.6 | S | 14 | | | 0 | 7 | Ci Cu | W | Part Cloudy | 6 | 6 | 5 | RCL | 6 |
| 7 | 77.0 | 28.995 | .179 | 28.816 | 29.76 | 33.3 | 33.0 | 33 | 97 | .187 | 33.3 | 29.7 | SE | 9 | | | 0.20 | 10<br>10 | St<br>St Fog | SE<br>SE | Misting | 4 | 3 | 5 | LCS. | 7 |
| 8 | 77.0 | 29.104 | .179 | 28.925 | 29.90 | 6.5 | 5.7 | 2 | 80 | .042 | 22.9 | 6.5 | NW | 9 | | | T | 10 | St | N | Cloudy | 6 | 5 | 6 | RCL | 8 |
| 9 | 71.0 | 29.654 | .166 | 29.488 | 30.50 | −12.0 | −13.0 | −27 | 43 | .008 | 1.8 | −12.0 | W | 25 | | | 0 | 2<br>4 | St<br>Ci Cu | W<br>W | Clear | 7 | 8 | 7 | LCS. | 9 |
| 10 | 70.0 | 29.770 | .163 | 29.607 | 30.62 | 2.5 | 1.3 | −6 | 66 | .028 | 2.5 | −6.3 | SW | 9 | | | 0 | 5 | Ci St | W | Cloudy | 6 | 6 | 6 | RCL | 10 |
| 11 | 73.0 | 29.395 | .170 | 29.225 | 30.20 | 10.0 | 8.6 | 3 | 70 | .044 | 20.0 | 10.0 | W | 13 | | | T | 0 | — | — | Clear | 7 | 6 | 6 | LCS. | 11 |
| 12 | 69.0 | 29.582 | .160 | 29.422 | 30.41 | 5.0 | 4.0 | −1 | 74 | .036 | 5.2 | 1.0 | SE | 6 | | | 0 | 9 | Ci St | W | Cloudy | 6 | 6 | 6 | BBW. | 12 |
| 13 | 70.5 | 29.331 | .163 | 29.168 | 30.13 | 24.0 | 22.6 | 19 | 82 | .098 | 26.3 | 22.8 | SW | 4 | | | 0 | 4<br>3 | Ci Cu<br>A St | W<br>W | Part Cloudy | 5 | 6 | 5 | RCL | 13 |
| 14 | 69.0 | 29.276 | .159 | 29.117 | 30.07 | 35.0 | 34.6 | 34 | 96 | .195 | 36.5 | 34.6 | NW | 3 | | | .06 | 10<br>10 | St<br>Lt Fog | NW<br>NW | Cloudy | 4 | 2 | 5 | LCS. | 14 |
| 15 | 75.0 | 29.624 | .176 | 29.448 | 30.42 | 18.0 | 16.8 | 14 | 81 | .077 | 30.7 | 18.0 | W | 9 | | | 0 | 1 | A St | W | Clear | 5 | 7 | 6 | RCL | 15 |
| 16 | 69.5 | 29.368 | .160 | 29.208 | 30.17 | 25.3 | 21.8 | 13 | 57 | .074 | 25.3 | 23.2 | SW | 15 | | | 0 | 2<br>5<br>2 | A St<br>A Cu<br>St Cu | W<br>W<br>SW | Cloudy | 6 | 6 | 5 | LCS. | 16 |
| 17 | 72.5 | 29.095 | .167 | 28.928 | 29.88 | 30.0 | 28.1 | 25 | 79 | .130 | 38.8 | 30.0 | N | 5 | | | 0 | 3<br>7 | A Cu<br>A St | W<br>W | Cloudy | 4 | 6 | 6 | RCL | 17 |
| 18 | 69.0 | 29.336 | .159 | 29.177 | 30.13 | 25.0 | 23.1 | 19 | 76 | .098 | 32.9 | 24.8 | N | 7 | | | 0 | 0 | — | — | Clear | 4 | 6 | 6 | RCL | 18 |
| 19 | 70.5 | 29.270 | .163 | 29.107 | 30.06 | 33.0 | 28.9 | 22 | 60 | .113 | 36.2 | 26.7 | SE | 12 | | | 0 | 3<br>4 | Ci Cu<br>St Cu | W<br>SE | Cloudy | 6 | 6 | 6 | LCS. | 19 |
| 20 | 69.0 | 29.046 | .158 | 28.888 | 29.83 | 32.4 | 30.6 | 28 | 82 | .150 | 45.5 | 32.4 | SW | 12 | | | .09 | 0 | — | — | Clear | 6 | 8 | 7 | RCL | 20 |
| 21 | 72.0 | 29.370 | .167 | 29.203 | 30.15 | 21.0 | 18.0 | 10 | 57 | .063 | 38.5 | 21.0 | NW | 18 | 33 | W | T | Few | A Cu | ? | Clear | 7 | 8 | 7 | LCS. | 21 |
| 22 | 70.5 | 29.258 | .163 | 29.095 | 30.04 | 39.4 | 33.9 | 26 | 56 | .136 | 39.4 | 29.2 | S | 14 | | | 0 | Few | A St | ? | Clear | 7 | 7 | 7 | RCL | 22 |
| 23 | 68.0 | 29.147 | .156 | 28.991 | 29.93 | 36.5 | 33.8 | 30 | 76 | .164 | 52.0 | 35.8 | W | 11 | | | T | 2<br>3 | Ci St<br>A St | W<br>W | Pt Cloudy | 6 | 7 | 6 | LCS. | 23 |
| 24 | 73.5 | 29.354 | .171 | 29.183 | 30.11 | 39.0 | 35.1 | 29 | 69 | .157 | 47.3 | 39.0 | W | 4 | | | 0 | 1 | Ci | NW | Clear | 6 | 6 | 6 | BBW. | 24 |
| 25 | 71.5 | 28.884 | .164 | 28.720 | 29.64 | 52.0 | 49.2 | 46 | 82 | .310 | 54.5 | 40.5 | W | 19 | | | 0.40 | 10 | St Cu | W | Cloudy | 6 | 7 | 7 | LCS. | 25 |
| 26 | 76.0 | 29.373 | .177 | 29.196 | 30.14 | 31.9 | 29.0 | 24 | 70 | .124 | 41.0 | 31.8 | NW | 10 | | | T | 7 | St Cu | NW | Part Cloudy | 8 | 9 | 9 | BBW. | 26 |
| 27 | 77.5 | 29.566 | .182 | 29.384 | 30.34 | 26.1 | 24.0 | 20 | 74 | .103 | 36.2 | 26.1 | NE | 5 | | | 0 | 0 | — | — | Clear | 4 | 7 | 6 | RCL | 27 |
| 28 | 69.5 | 29.448 | .161 | 29.287 | 30.24 | 31.6 | 29.0 | 25 | 73 | .130 | 38.1 | 30.8 | 0 | 0 | | | 0 | 2<br>1 | A Cu<br>St Cu | W<br>? | Clear | 2 | 7 | 7 | LCL. | 28 |
| 29 | | | | | | | | | | | | | | | | | | | | | | | | | | 29 |
| 30 | | | | | | | | | | | | | | | | | | | | | | | | | | 30 |
| 31 | | | | | | | | | | | | | | | | | | | | | | | | | | 31 |
| Sums | | (a) | (a) | 815428 | 842.24 | 687.1 | 629.9 | 496 | 2065 | 3.147 | (a) | (a) | (a) | 297 | (a) | (a) | 0.84 | 147 | (a) | (a) | (a) | (a) | (a) | (a) | (a) | (a) |
| Means | | (a) | (a) | 29.122 | 30.080 | 24.5 | 22.5 | 17.7 | 73.8 | .112 | (a) | (a) | (c) W | 10.6 | (a) | (a) | (a) | 5.2 | U A St Cu<br>L St Cu | U W<br>L W | (a) | (a) | (a) | (a) | (a) | (a) |

8—154 Reference letters in this form refer to paragraph 121, "Instructions for Preparing Meteorological Forms."

† By dial when self-register is out of order.

†† T indicates trace of precipitation.

Wind data corrected to true velocity.

U, upper clouds. L, lower clouds.

Use visibility scale in "Instructions for Preparing Meteorological Forms."

# ORIGINAL MONTHLY RECORD OF OBSERVATIONS at Fort Wayne, Ind., for the Month of FEB 1933, 193

Number of Station barometer, 656; sum of corrections, −.052 inch.

OBSERVATIONS AT 8 P. M. 75TH MERIDIAN TIME, WHICH CORRESPONDS TO 7.00 P. M. 90 MERIDIAN TIME, THE STANDARD OF TIME IN LOCAL USE; 7.19 P. M. LOCAL MEAN TIME.

| Date. | Barometer. Attached thermometer. | Barometer. Observed reading. | Barometer. Total correction. | Barometer. Station. (Observed reading plus total cor.) (b) | Barometer. Reduced to sea-level. (b) | Thermometers. Dry. (b) | Thermometers. Wet. (b) | Dew-point. (b) | Relative humidity. (b) | Vapor pressure. (b) | Self-Reg. Ther's. Max. (b) | Self-Reg. Ther's. Min. (b) | Wind. Dir. | Wind. Velocity. (b) † | Wind. Max. during preceding 12 hours. | Wind. Dir. | Precipitation. Amt. at 8 p. m. (b) †† | Clouds. Amt. | Clouds. Kind. | Clouds. Dir. from. | State of Weather. | Fog, Mid. to Mid. (Local standard time.) Light (f). Began. | Light (f). Ended. | Dense (f). Began. | Dense (f). Ended. | Initials of observer. | Date. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | In. | | In. | In. | ° | ° | ° | % | In. | ° | ° | | Mi. | Mi. | | In. | | | | | | | | | | | |
| 1 | 77.5 | 28.947 | .180 | 28.767 | 29.70 | 39.0 | 35.0 | 29 | 68 | .157 | 50.0 | 39.0 | W | 20 | 32 | SW | T | 0 | — | — | Clear | | | | | LCS | 1 |
| 2 | 79.0 | 29.293 | .185 | 29.108 | 30.06 | 27.7 | 24.8 | 19 | 67 | .098 | 33.3 | 27.7 | NW | 10 | | | 0 | 8 | aCu | W | Cloudy | | | | | REL | 2 |
| 3 | 73.5 | 29.272 | .171 | 29.101 | 30.05 | 33.2 | 29.0 | 22 | 59 | .113 | 35.5 | 24.1 | SW | 8 | | | 0 | 9 | aCu | W | Cloudy | | | | | LCS | 3 |
| 4 | 73.0 | 29.028 | .168 | 28.860 | 29.82 | 15.7 | 14.2 | 9 | 74 | .060 | 23.6 | 15.7 | W | 12 | | | .01 | 9 | stCu | W | Light Snow | | | | | REL | 4 |
| 5 | 76.0 | 29.456 | .178 | 29.278 | 30.27 | 11.8 | 10.2 | 4 | 68 | .047 | 15.7 | 1.9 | SW | 14 | | | 0 | 0 | — | — | Clear | | | | | REL | 5 |
| 6 | 74.0 | 29.070 | .171 | 28.899 | 29.86 | 30.0 | 29.0 | 27 | 89 | .143 | 35.9 | 16.1 | S | 12 | | | T | 10 | St | S | Light Snow | | | | | LCS | 6 |
| 7 | 77.0 | 28.678 | .178 | 28.500 | 29.43 | 22.9 | 22.4 | 22 | 93 | .113 | 34.6 | 22.9 | NW | 10 | | | 0.64 | 10 | St | NW | Freezing Mist | ONA | 4.30P | | | REL | 7 |
| 8 | 74.5 | 29.413 | .174 | 29.239 | 30.23 | 1.8 | 0.4 | −8 | 59 | .025 | 11.4 | 1.8 | W | 18 | | | T | 0 | — | — | Clear | | | | | LCS | 8 |
| 9 | 70.0 | 29.786 | .163 | 29.623 | 30.64 | −6.3 | −7.3 | −17 | 56 | .015 | −6.0 | −14.3 | SW | 14 | | | 0 | 4 | CiCu | W | Part Cloudy | | | | | REL | 9 |
| 10 | 71.0 | 29.4444 | .165 | 29.279 | 30.26 | 20.0 | 16.8 | 7 | 53 | .054 | 20.9 | 2.5 | S | 9 | | | 0 | 7 | CiSt | W | Part Cloudy | | | | | LCS | 10 |
| 11 | 74.0 | 29.582 | .173 | 29.409 | 30.39 | 5.2 | 4.0 | −2 | 69 | .034 | 13.0 | 5.2 | W | 12 | | | 0 | 0 | — | — | Clear | | | | | BBW | 11 |
| 12 | 72.0 | 29.263 | .167 | 29.096 | 30.07 | 25.9 | 22.1 | 13 | 54 | .074 | 30.2 | 5.0 | S | 13 | | | 0 | 0 | — | — | Clear | | | | | BBW | 12 |
| 13 | 69.0 | 29.168 | .159 | 29.009 | 29.96 | 36.3 | 35.8 | 35 | 95 | .203 | 43.2 | 23.5 | S | 11 | | | T | 10 | St | S | Light Rain | ONP cnt'd 1.10 P | cnt'd 9.45A 4.30P | 9.45A | 1.10 P | LCS | 13 |
| 14 | 77.5 | 29.382 | .182 | 29.200 | 30.14 | 30.7 | 28.2 | 24 | 74 | .124 | 35.8 | 30.7 | NW | 10 | | | T | 10 | St | NW | Cloudy | | | | | REL | 14 |
| 15 | 73.5 | 29.632 | .173 | 29.459 | 30.43 | 25.0 | 21.0 | 11 | 50 | .066 | 29.0 | 17.8 | SW | 8 | | | 0 | 0 | — | — | Clear | | | | | LCS | 15 |
| 16 | 74.0 | 29.042 | .171 | 28.871 | 29.82 | 38.0 | 32.8 | 25 | 57 | .130 | 44.0 | 25.3 | SW | 7 | | | 0 | 3 | Ci St | W | Part Cloudy | | | | | REL | 16 |
| 17 | 74.0 | 29.152 | .172 | 28.980 | 29.93 | 32.9 | 29.7 | 24 | 69 | .124 | 38.5 | 28.8 | NW | 6 | | | 0 | 4 | aCu | W | Part Cloudy | | | | | LCS | 17 |
| 18 | 77.0 | 29.424 | .181 | 29.243 | 30.19 | 36.2 | 31.2 | 23 | 56 | .118 | 40.5 | 25.0 | E | 5 | | | 0 | 0 | — | — | Clear | | | | | LCS | 18 |
| 19 | 71.0 | 28.948 | .163 | 28.785 | 29.72 | 45.5 | 45.0 | 44 | 96 | .287 | 47.5 | 33.0 | SW | 12 | | | 0.19 | 10 | StCu | SW | Light Rain | | | | | LCS | 19 |
| 20 | 76.0 | 29.121 | .176 | 28.945 | 29.90 | 37.0 | 32.7 | 26 | 64 | .136 | 42.8 | 32.1 | W | 12 | | | 0 | 0 | — | — | Clear | | | | | LCS | 20 |
| 21 | 74.0 | 29.514 | .173 | 29.341 | 30.30 | 30.0 | 26.5 | 20 | 62 | .103 | 31.4 | 20.2 | S | 6 | | | 0 | 0 | — | — | Clear | | | | | REL | 21 |
| 22 | 72.0 | 28.956 | .166 | 28.790 | 29.71 | 52.0 | 44.6 | 36 | 56 | .211 | 58.0 | 39.4 | SW | 21 | | | 0 | 7 cw | aCu | SW | Clear | | | | | REL | 22 |
| 23 | 77.0 | 29.255 | .180 | 29.075 | 30.02 | 47.3 | 40.3 | 31 | 54 | .172 | 54.5 | 36.5 | SW | 7 | | | 0 | 0 | — | — | Clear | | | | | REL | 23 |
| 24 | 76.0 | 29.262 | .177 | 29.085 | 30.02 | 47.0 | 42.0 | 36 | 66 | .211 | 50.2 | 38.8 | E | 6 | | | T | 10 | St | E | Light Rain | | | | | LCS | 24 |
| 25 | 79.5 | 29.104 | .186 | 28.918 | 29.85 | 41.0 | 35.1 | 26 | 55 | .136 | 52.0 | 39.9 | NW | 20 | | | 0 | 9 | StCu | NW | Cloudy | | | | | BBW | 25 |
| 26 | 80.0 | 29.487 | .189 | 29.298 | 30.25 | 36.2 | 31.0 | 22 | 55 | .113 | 42.0 | 31.9 | N | 5 | | | 0 | 0 | — | — | Clear | | | | | BBW | 26 |
| 27 | 76.0 | 29.476 | .178 | 29.298 | 30.26 | 38.1 | 31.0 | 19 | 42 | .098 | 41.3 | 26.1 | NE | 4 | | | 0 | 0 | — | — | Clear | | | | | LCS | 27 |
| 28 | 75.0 | 29.385 | .176 | 29.209 | 30.15 | 43.3 | 37.3 | 29 | 56 | .157 | 48.9 | 31.6 | NW | 10 | | | 0 | 3 | CiCu | NW | Clear | | | | | REL | 28 |
| 29 | | | | | | | | | | | | | | | | | | | | | | | | | | | 29 |
| 30 | | | | | | | | | | | | | | | | | | | | | | | | | | | 30 |
| 31 | | | | | | | | | | | | | | | | | | | | | | | | | | | 31 |
| Sums | (a) | (a) | | 814.665 | 841.43 | 843.4 | 744.8 | 556 | 1816 | 3.322 | (a) | (a) | (a) | 302 | | | 0.84 | 119 | (a) | (a) | (a) | (a) | (a) | (a) | (a) | (a) | (a) |
| Means | (a) | (a) | | 29.095 | 30.051 | 30.1 | 26.6 | 19.9 | 64.9 | .119 | (a) | (a) | (c) SW | 10.8 | | | (a) | 4.2 | UACu LSt | UW LNW | (a) | (a) | (a) | (a) | (a) | (a) | (a) |

Observations are begun about 7.40 o'clock, 75th meridian time.

† By dial when self-register is out of order.

†† T indicates trace of precipitation.

Wind data corrected to true velocity.

U, upper clouds. L, lower clouds.

# ORIGINAL MONTHLY RECORD OF OBSERVATIONS at Fort Wayne, Ind., for the Month of FEB 1933, 193

| DATE. | TEMPERATURE. Maximum. (b) | Minimum (b) | Range. (b) | Change. (b) | Mean (max. and min.). (b) | Normal. | Departure. | Total excess or deficiency since 1st of month. | PRECIPITATION. Character.‡ | Beginning. | Ending. | Character‡ | Beginning. | Ending. | Character.‡ | Beginning. | Ending. | Character.‡ | Beginning. | Ending. | Total (mid. to mid.). (b)†† | Normal. | Departure. | Total excess or deficiency since 1st of month. | Hail and sleet unmelted. 7 p.m. to 7 p.m. *‡‡ | Snow unmelted. 7 p.m. to 7 p.m. *‡‡ | Hail, sleet, and snow on ground at 7 p.m. *‡‡ | Amount of precipitation from melted snow (mid. to mid.). | DATE. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | ° | ° | ° | ° | ° (38) | | | | | | | | | | | | | | | | In. | | | | In. | In. | In. | In. | |
| Wednesday 1 | 50 | 34 | 16 | 4 | 42 | | | | | | | | | | | | | | | | .09 | .09 | .00 | .00 | T | 0 | 0 | 0 | 1 |
| 2 | 34 | 26 | 8 | 12 | 30 | | | | | | | | | | | | | | | | 0 | .08 | -.08 | -.08 | 0 | 0 | 0 | 0 | 2 |
| 3 | 36 | 24 | 12 | 0 | 30 | | | | | | | | | | | | | | | | 0 | .08 | -.08 | -.16 | 0 | 0 | 0 | 0 | 3 |
| 4 | 29 | 8 | 21 | 12 | 18 | | | | | | | | | | | | | | | | .01 | .08 | -.07 | -.23 | 0 | 0.1 | T | .01 | 4 |
| 5 | 16 | 2 | 14 | 9 | 9 | | | | | | | | | | | | | | | | 0 | .08 | -.08 | -.31 | 0 | T | T | 0 | 5 |
| 6 | 36 | 13 | 23 | 15 | 24 | | | | | | | | | | | | Midnite to mid. | | Estimated | | x.10 | .08 | +.02 | -.29 | 0 | T | T | x.10 | 6 |
| 7 | 35 | 10 | 25 | 2 | 22 | | | | | | | | | | | | | | | | x.74 | .08 | +.66 | +.37 | T | 2.0 | 0.2 | x.10 | 7 |
| 8 | 11 | -7 | 18 | 20 | 2 | | | | | | | | | | | | | | | | T | .08 | -.08 | 1.29 | T | T | 0.2 | T | 8 |
| 9 | -1 | -14 | 13 | 10 | -8 | | | | | | | | | | | | | | | | 0 | .08 | -.08 | +.21 | 0 | 0 | 0.2 | 0 | 9 |
| 10 | 21 | -1 | 22 | 18 | 10 | | | | | | | | | | | | | | | | T | .08 | -.08 | +.13 | 0 | 0 | 0.2 | T | 10 |
| 11 | 19 ~~18~~ | 1 | 18 | 0 | 10 | | | | | | | | | | | | | | | | 0 | .08 | -.08 | +.05 | 0 | T | 0.2 | 0 | 11 |
| 12 | 30 | 1 | 29 | 6 | 16 | | | | | | | | | | | | | | | | 0 | .08 | -.08 | -.03 | 0 | 0 | 0.1 | 0 | 12 |
| 13 | 43 | 23 | 20 | 17 | 33 | | | | | | | | | | | | | | | | .06 | .08 | -.02 | -.05 | 0 | 0 | T | 0 | 13 |
| 14 | 36 | 26 | 10 | 2 | 31 | | | | | | | | | | | | | | | | T | .08 | -.08 | -.13 | 0 | 0 | 0 | 0 | 14 |
| 15 | 29 | 18 | 11 | 7 | 24 | | | | | | | | | | | | | | | | 0 | .07 | -.07 | -.20 | 0 | 0 | 0 | 0 | 15 |
| 16 | 44 | 23 | 21 | 10 | 34 | | | | | | | | | | | | | | | | 0 | .07 | -.07 | -.27 | 0 | 0 | 0 | 0 | 16 |
| 17 | ~~38~~ 28 | 28 | 10 | 1 | 33 | | | | | | | | | | | | | | | | 0 | .08 | -.08 | -.35 | 0 | 0 | 0 | 0 | 17 |
| 18 | 40 | 25 | 15 | 1 | 32 | | | | | | | | | | | | | | | | 0 | .08 | -.08 | -.43 | 0 | 0 | 0 | 0 | 18 |
| 19 | 48 | 27 | 21 | 6 | 38 | | | | | | | | | | | | | | | | .28 | .09 | +.19 | -.24 | 0 | 0 | 0 | 0 | 19 |
| 20 | 43 | 32 | 11 | 0 | 38 | | | | | | | | | | | | | | | | 0 | .10 | -.10 | -.34 | 0 | 0 | 0 | 0 | 20 |
| 21 | 38 | 20 | 18 | 9 | 29 | | | | | | | | | | | | | | | | T | .10 | -.10 | -.44 | 0 | T | 0 | T | 21 |
| 22 | 58 | 33 | 25 | 17 | 46 | | | | | | | | | | | | | | | | T | .10 | -.10 | -.54 | 0 | 0 | 0 | 0 | 22 |
| 23 | 54 | 36 | 18 | 1 | 45 | | | | | | | | | | | | | | | | 0 | .10 | -.10 | -.64 | 0 | 0 | 0 | 0 | 23 |
| 24 | 50 | 39 | 11 | 1 | 44 | | | | | | | | | | | | | | | | .33 | .10 | +.23 | -.41 | 0 | 0 | 0 | 0 | 24 |
| 25 | 54 | 36 | 18 | 1 | 45 | | | | | | | | | | | | | | | | .07 | .09 | -.02 | -.43 | 0 | 0 | 0 | T | 25 |
| 26 | 42 | 30 | 12 | 9 | 36 | | | | | | | | | | | | | | | | 0 | .08 | -.08 | -.51 | 0 | T | 0 | 0 | 26 |
| 27 | 41 | 26 | 15 | 2 | 34 | | | | | | | | | | | | | | | | 0 | .08 | -.08 | -.59 | 0 | 0 | 0 | 0 | 27 |
| 28 | 49 | 31 | 18 | 6 | 40 | | | | | | | | | | | | | | | | 0 | .08 | -.08 | -.67 | 0 | 0 | 0 | 0 | 28 |
| 29 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 29 |
| 30 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 30 |
| 31 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 31 |
| S | 102 3/4 | 550 | 472 | 198 | 787 | | Total excess or deficiency since Jan. 1, Dyna days | | (a) | (a) | (a) | (a) | (a) | (a) | (a) | (a) | (a) | (a) | (a) | (a) | 1.68 | 2.35 | Total excess or deficiency since Jan. 1, | T | 2.1 | (a) | (a) | (a) |
| M | 36.5 | 19.6 | 16.9 | 7.1 | (a) | (a) | 1033 | | (a) | (a) | (a) | (a) | (a) | (a) | (a) | (a) | (a) | (a) | (a) | (a) | (a) | (a) | -1.17 | | (a) | (a) | (a) | (a) | (a) |

All data are in the standard of time in local use. ‡ Use the following abbreviations: R—rain, Sd—dry snow, Sm—moist snow, H—hail, Sl—sleet. †† T indicates trace of precipitation. ‡‡ Enter the local standard time of observation. * Inches and tenths



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# SUMMARY FOR THE MONTH OF FEB 1933, 193

The 8 a. m. and 8 p. m. means of pressure, dry and wet thermometers, dew-point, humidity, vapor pressure, and mean cloudiness are in 75th meridian time. All other data are in the standard of time in local use.

## PRESSURE.

(Correction to reduce to a 24-hour mean -.025)

### STATION.

| Mean. 8 a. m. | Mean. 8 p. m. | Mean. Monthly. (g) | Highest. (h) | Date. | Lowest. (h) | Date. | Absolute range. |
|---|---|---|---|---|---|---|---|
| 29.122 | 29.095 | 29.108 | 29.640 | 9 | 28.350 | 7 | 1.290 |
| Corrected mean.... | | 29.103 | | | | | |

### REDUCED.

| Mean. 8 a. m. | Mean. 8 p. m. | Mean. Monthly. (g) | Highest. (h) | Date. | Lowest. (h) | Date. | Absolute range. |
|---|---|---|---|---|---|---|---|
| 30.080 | 30.051 | 30.066 | 30.66 | 9 | 29.28 | 7 | 1.38 |
| Corrected mean.... | | 30.061 | | | | | |

## TEMPERATURE.

### MEAN.

| Dry. 8 a. m. | Dry. 8 p. m. | Dry. (8+8)÷2 (g) | Wet. 8 a. m. | Wet. 8 p. m. | Wet. Monthly. (g) | Max. | Min. | Monthly. (g) |
|---|---|---|---|---|---|---|---|---|
| 24.5 | 30.1 | 27.3 | 22.5 | 26.6 | 24.6 | 36.5 | 19.6 | 28.0 |

| Highest. (i) | Date. (i) | Lowest. (i) | Date. (i) | Absolute range. | Greatest daily range. (i) | Date. (i) | Least daily range. (i) | Date. (i) |
|---|---|---|---|---|---|---|---|---|
| 58 | 22 | -14 | 9 | 72 | 29 | 12 | 8 | 2 |

| Dew-point. 8 a. m. | Dew-point. 8 p. m. | Dew-point. Monthly. (g) | Relative Humidity. 8 a. m. | Relative Humidity. 8 p. m. | Relative Humidity. Monthly. (g) | Vapor Pressure. 8 a. m. | Vapor Pressure. 8 p. m. | Vapor Pressure. Monthly. (g) |
|---|---|---|---|---|---|---|---|---|
| 17.7 | 19.9 | 18.8 | 73.8 | 64.9 | 69.4 | .112 | .119 | .116 |

| Number of days with (j) Maximum. 32° or below. | Maximum. 90° or above. | Minimum. 32° or below. | Minimum. Zero or below. |
|---|---|---|---|
| 8 | 0 | 22 | 3 |

CLOUDS.

Most frequent clouds: a cu. & st cu.

Most frequent direction upper clouds: West

Most frequent direction lower clouds: West

## WIND.

(Wind data corrected to true velocity.)

| Total movement (mid. to mid.). | Average hourly velocity. | Prevailing direction. (p) | Maximum velocity. (r) | Direction. (r) | Date. (r) |
|---|---|---|---|---|---|
| 8145 | 12.1 | W | 33 | W | 21 |

Number of Times Wind Observed from the—

| N. | NE. | E. | SE. | S. | SW. | W. | NW. | Calm. |
|---|---|---|---|---|---|---|---|---|
| 3 | 2 | 2 | 3 | 8 | 12 | 15 | 10 | 1 |

## WEATHER.

| Mean Cloudiness. 8 a. m. | 8 p. m. | Monthly. (t) | Sunshine. Percentage of possible. | Number of Days. Clear. | Partly cloudy. | Cloudy. | Number of Days with Precipitation (Mid. to Mid.). Clear. (u) | Partly cloudy. (u) | Cloudy. (u) |
|---|---|---|---|---|---|---|---|---|---|
| 5.2 | 4.2 | 5.0 | 69 | 13 | 5 | 10 | 1 | 1 | 6 |

(6)

## MISCELLANEOUS PHENOMENA.

Dates of—(Midnight to Midnight).

| Frosts. Light. | Heavy. | Killing. | Thunderstorms. (v) | Winds. (32 miles or over.) | Solar Halos. | Lunar Halos. | Fog. Light. | Fog. Dense. | Haze. Light. | Haze. Dense. | Smoke. Light. | Smoke. Dense. | Hail. | Aurora. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| — | — | — | 0 | 1, 21 | 17, 24 | 13 | 7, 13, 14 | 14 | 19, 23, 25 | 13, 17, 18 | 27 | 28 | 0 | 0 |

## PRECIPITATION (in inches and hundredths). (m)

| Total Amount | Greatest Amount in 24 Consecutive Hours. Amt. | Date. (k) | Excessive. 2.50 Inches in 24 Hours. (l) * Amt. | Duration. h. m. | Date. (k) | 1 Inch per Hour. (l) Amt. | Duration. h. m. | Date. (k) |
|---|---|---|---|---|---|---|---|---|
| 1.68 | 0.84 | 6-7 | 0 | — | — | 0 | — | — |

Number of Days with—(Mid. to Mid.).

| Trace. | .01 or more. | .04 or more. | .25 or more. | 1.00 or more. | Total. | Snow. Trace or more. | Snow. .01 or more melted. |
|---|---|---|---|---|---|---|---|
| 5 | 8 | 7 | 3 | 0 | 13 | 7 | 3 |

| Snow. Total Depth. (o) | Snow. Average Depth at End of Month. |
|---|---|
| 2.1 | 0 |

Tipping bucket only partially in use

(w) Maximum precipitation in 5 minutes —, date —; 10 minutes —, date —; 15 minutes —, date —:

30 minutes —, date —; 1 hour —, date —; 2 hours —, date —.

## EXCESSIVE.

| Date. | Total Duration. From— | To— | Total amount of precipitation. | Excessive Rate. Began— | Ended— | Amt. before excessive began. |
|---|---|---|---|---|---|---|
| | | | None | | | |

Accumulated Depths During Excessive Rate for Consecutive Periods of Time Indicated Below.

| 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | None | | | | | | | | |

* The duration is the time precipitation was actually recorded.

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Prepared by Lloyd C. Skinner

B. B. Whitlock, Meteor., Weather Bureau.

ORIGINAL MONTHLY RECORD OF OBSERVATIONS at Fort Wayne, Ind., for the Month of FEB 1933, 193

Number of Station barometer, 6.56; sum of corrections, −.052 inch.

| Date. | Time. 75th mer. | Time. Local (standard). | Barometer. Attached thermometer | Barometer. Observed reading. | Barometer. Total correction. | Barometer. Station. (Observed reading plus total cor.) | Barometer. Reduced to sea-level. | Thermometers. Dry. | Thermometers. Wet. | Dew-point. | Depression of the dew-point. | Relative humidity. | Maximum thermometer. | Wind. Direction. | Wind. Velocity. † | Wind. Max. since last observation. | Wind. Direction. | Precipitation. †† | Clouds. Amt. | Clouds. Kind. | Clouds. Dir. from. | State of Weather. | Special Phenomena. | Initials of Observer. | Date. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SPECIAL OBSERVATIONS. | | | | | | | | | | | | | | | | | | | | | | | | | |
| 7 | 3:15P | 2:15P | 77.0 | 28.574 | .177 | 28.397 | 29.33 | 34.2 | 34.0 | 34 | 98' | .195 | 34.6 | NE | 8 | — | — | 045 | 10 | St | NE | Light Rain | Barometer drop. | R.E.S. | 7 |
| Extremes of Pressure | | | | | | | | | | | | | | | | | | | | | | | | | |
| 9 | 12 Midnite | 11 00 P | | | | 29.640 | 30.66 | -2.0 | | | | | | | | | | | | | | | Highest R&L | | 9 |
| 7 | 4 00 P | 3 00 P | | | | 28.350 | 29.28 | 34.0 | | | | | | | | | | | | | | | Lowest R&L | | 7 |

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If additional space is required, rule a sheet similar to this, and paste to this margin.

Wind data corrected to true velocity.

† By dial when self-register is out of order.
†† T indicates trace of precipitation.

ORIGINAL MONTHLY RECORD OF OBSERVATIONS at Fort Wayne, Ind., for the Month of FEB 1933, 193

Wind—Number of Miles and Length of Time From. (Standard of time in local use, 90 meridian.)

| DATE. | N. | | NE. | | E. | | SE. | | S. | | SW. | | W. | | NW. | | CALM. | | TOTAL. | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Miles. | Hours. | Miles. | Hours. | Miles. | Hours. | Miles. | Hours. | Miles. | Hours. | Miles. | Hours. | Miles. | Hours. | Miles. | Hours. | Miles. | Hours. | Miles. | Hours. |
| 1 | | | | | | | 27 | 2 | 90 | 6 | 186 | 8 | 142 | 8 | | | | | 445 | 24 |
| 2 | | | | | | | | | | | | | 229 | 16 | 84 | 8 | | | 313 | 24 |
| 3 | | | | | | | | | 9 | 1 | 131 | 13 | 58 | 6 | 36 | 4 | | | 234 | 24 |
| 4 | | | | | | | | | | | | | 216 | 18 | 85 | 6 | | | 301 | 24 |
| 5 | | | | | | | | | | | 83 | 6 | 252 | 17 | 15 | 1 | | | 350 | 24 |
| 6 | | | | | | | | | 110 | 8 | 248 | 16 | | | | | | | 358 | 24 |
| 7 | 7 | 1 | 15 | 2 | 20 | 3 | 51 | 5 | 27 | 3 | 33 | 3 | | | 79 | 7 | | | 232 | 24 |
| 8 | | | | | | | | | | | | | 260 | 16 | 77 | 8 | | | 337 | 24 |
| 9 | | | | | | | | | | | 95 | 7 | 340 | 17 | | | | | 435 | 24 |
| 10 | | | | | | | | | 161 | 13 | 58 | 5 | 84 | 6 | | | | | 303 | 24 |
| 11 | | | | | | | | | | | 25 | 2 | 319 | 22 | | | | | 344 | 24 |
| 12 | | | | | | | 44 | 4 | 166 | 13 | 59 | 7 | | | | | | | 269 | 24 |
| 13 | | | | | | | | | 144 | 13 | 94 | 11 | | | | | | | 238 | 24 |
| 14 | 19 | 2 | | | | | | | | | 16 | 2 | 27 | 3 | 127 | 17 | | | 189 | 24 |
| 15 | | | | | | | | | 30 | 3 | 23 | 3 | 94 | 8 | 119 | 10 | | | 266 | 24 |
| 16 | | | | | | | | | 31 | 3 | 264 | 19 | 12 | 2 | | | | | 307 | 24 |
| 17 | 26 | 5 | 33 | 6 | | | | | | | | | 26 | 4 | 58 | 9 | | | 143 | 24 |
| 18 | 21 | 3 | 6 | 1 | 58 | 9 | 20 | 3 | 12 | 2 | | | 19 | 3 | 19 | 3 | | | 155 | 24 |
| 19 | | | | | 33 | 5 | 58 | 5 | 113 | 8 | 38 | 3 | 45 | 3 | | | | | 287 | 24 |
| 20 | | | | | | | | | | | 144 | 11 | 218 | 13 | | | | | 362 | 24 |
| 21 | | | | | | | 45 | 5 | 15 | 2 | 18 | 2 | 104 | 7 | 158 | 8 | | | 340 | 24 |
| 22 | | | | | | | | | 238 | 15 | 144 | 7 | 38 | 2 | | | | | 420 | 24 |
| 23 | | | | | | | | | | | 54 | 7 | 242 | 17 | | | | | 296 | 24 |
| 24 | | | 9 | 1 | 140 | 14 | | | 11 | 1 | | | 43 | 8 | | | | | 203 | 24 |
| 25 | | | | | | | | | 18 | 1 | 54 | 4 | 84 | 5 | 301 | 14 | | | 457 | 24 |
| 26 | 37 | 6 | 6 | 1 | | | | | | | | | | | 233 | 17 | | | 276 | 24 |
| 27 | | | 76 | 17 | 19 | 3 | 11 | 2 | | | | | | | | | 2 | 2 | 108 | 24 |
| 28 | | | 19 | 7 | | | | | | | | | 57 | 6 | 100 | 10 | 1 | 1 | 177 | 24 |
| 29 | | | | | | | | | | | | | | | | | | | | |
| 30 | | | | | | | | | | | | | | | | | | | | |
| 31 | | | | | | | | | | | | | | | | | | | | |
| Sum, | 110 | 17 | 164 | 35 | 270 | 34 | 256 | 26 | 1175 | 92 | 1767 | 136 | 2909 | 207 | 1491 | 122 | 3 | 3 | 8145 | 672 |
| Percentage, | 1 | 3 | 2 | 5 | 3 | 5 | 3 | 4 | 15 | 14 | 22 | 20 | 36 | 31 | 18 | 18 | 0 | 0 | a | a |
| Avg. Hourly Velocity, | 6.5 | a | 4.7 | a | 7.9 | a | 9.8 | a | 12.8 | a | 13.0 | a | 14.1 | a | 12.2 | a | 1.0 | a | 12.1 | a |

Wind data corrected to true velocity.

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# ORIGINAL MONTHLY RECORD OF OBSERVATIONS at Fort Wayne, Ind., for the Month of MAR 1933, 193

Number of Station barometer, 656; sum of corrections, −.052 inch.

OBSERVATIONS AT 8 A. M. 75TH MERIDIAN TIME, WHICH CORRESPONDS TO 7:00 A. M. 90 MERIDIAN TIME, THE STANDARD OF TIME IN LOCAL USE; 7:19 A. M. LOCAL MEAN TIME.

| Date. | Barometer. Attached thermometer. | Barometer. Observed reading. | Barometer. Total correction. | Barometer. Station. (Observed reading plus total cor.) (b) | Barometer. Reduced to sea-level. (b) | Thermometers. Dry. (b) | Thermometers. Wet. (b) | Dew-point. (b) | Relative humidity. (b) | Vapor pressure. (b) | Self-Reg. Ther's. Max. (b) | Self-Reg. Ther's. Min. (b) | Wind. Dir. | Wind. Velocity. (b) † | Wind. Max. during preceding 12 hours. | Wind. Dir. | Precipitation. Amt. at 8 a. m. (b) †† | Clouds. Amt. | Clouds. Kind. | Dir. from. | State of Weather. | Visibility. 8 a. m. | Visibility. Local noon. | Visibility. 8 p. m. | Initials of Observer: | Date. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | In. | | In. | In. | ° | ° | ° | % | In. | ° | ° | | Mi. | Mi. | | In. | | | | | | | | | |
| 1 | 74.0 | 29.326 | .172 | 29.154 | 30.10 | 30.7 | 27.9 | 23 | 71 | .118 | 43.3 | 30.7 | NW | 11 | | | 0 | 0 | — | — | Clear | 7 | 8 | 7 | REL | 1 |
| 2 | 73.0 | 29.425 | .170 | 29.255 | 30.21 | 28.9 | 26.0 | 20 | 68 | .103 | 30.3 | 28.9 | N | 10 | | | 0 | 4<br>6 | sc<br>st cu | N | Cloudy | 7 | 7 | 7 | LCS | 2 |
| 3 | 73.0 | 29.486 | .170 | 29.316 | 30.28 | 31.3 | 30.7 | 30 | 94 | .164 | 33.2 | 31.0 | NW | 7 | | | T | 10 | st cu | NW | Cloudy | 6 | 6 | 6 | REL | 3 |
| 4 | 72.5 | 29.555 | .169 | 29.386 | 30.35 | 32.0 | 28.5 | 23 | 65 | .118 | 37.0 | 31.7 | N | 7 | | | T | 10 | st cu | N | Cloudy | 6 | 7 | 7 | REL | 4 |
| 5 | 70.5 | 29.761 | .165 | 29.596 | 30.57 | 29.0 | 27.0 | 24 | 78 | .124 | 33.5 | 27.5 | O | 0 | | | 0 | 8 | a cu | W | Cloudy | 4 | 7 | 6 | LCS | 5 |
| 6 | 72.0 | 29.440 | .168 | 29.272 | 30.23 | 25.7 | 25.0 | 24 | 91 | .124 | 34.8 | 25.5 | E | 10 | | | 0 | 10 | a st | ? | Cloudy | 5 | 6 | 6 | REL | 6 |
| 7 | 68.5 | 28.884 | .157 | 28.727 | 29.66 | 35.7 | 33.0 | 29 | 76 | .157 | 42.3 | 35.7 | NE | 8 | | | T | 10 | st | NE | Cloudy | 5 | 6 | 6 | LCS | 7 |
| 8 | 72.0 | 28.770 | .165 | 28.605 | 29.54 | 34.1 | 31.8 | 28 | 79 | .150 | 40.0 | 33.5 | W | 13 | | | 0 | 10 | st cu | W | Cloudy | 6 | 6 | 6 | REL | 8 |
| 9 | 76.5 | 29.155 | .178 | 28.977 | 29.93 | 23.0 | 19.2 | 9 | 49 | .060 | 37.8 | 23.0 | W | 22 | 35 | NW | 0 | 3<br>3 | ci st<br>a st | W<br>W | Part Cloudy | 6 | 8 | 7 | LES | 9 |
| 10 | 77.5 | 29.588 | .183 | 29.405 | 30.38 | 9.5 | 8.7 | 6 | 82 | .052 | 21.3 | 9.5 | NW | 11 | | | .01 | 1 | a cu | NW | Clear | 6 | 6 | 7 | REL | 10 |
| 11 | 74.5 | 29.530 | .174 | 29.356 | 30.34 | 18.0 | 17.0 | 14 | 84 | .077 | 18.0 | 13.6 | S | 10 | | | T | 10 | st | S | Light Snow | 5 | 6 | 6 | LCS | 11 |
| 12 | 73.0 | 29.324 | .169 | 29.155 | 30.10 | 26.0 | 25.0 | 23 | 88 | .118 | 30.4 | 25.7 | W | 5 | | | 0 | 6 | ci | W | Part Cloudy | 5 | 6 | 6 | REL | 12 |
| 13 | 72.0 | 28.842 | .165 | 28.677 | 29.60 | 50.0 | 48.8 | 48 | 92 | .334 | 50.8 | 46.1 | SE | 9 | | | .01 | 10<br>10 | st fog<br>st | SE<br>S | Cloudy | 4 | 4 | 4 | REL | 13 |
| 14 | 68.0 | 28.800 | .155 | 28.645 | 29.56 | 48.2 | 48.2 | 48 | 100 | .334 | 60.0 | 47.5 | SW | 4 | | | 0.55 | 10<br>10 | st<br>D. fog | SW<br>SW | ~~Foggy~~ Cloudy | 1 | 4 | 6 | REL | 14 |
| 15 | 69.0 | 29.319 | .159 | 29.160 | 30.10 | 27.5 | 26.0 | 24 | 82 | .124 | 39.0 | 27.5 | NW | 13 | | | T | 10 | st cu | NW | Very Light Snow | 7 | 8 | 8 | REL | 15 |
| 16 | 66.5 | 29.594 | .153 | 29.441 | 30.41 | 24.8 | 23.0 | 20 | 77 | .103 | 28.1 | 24.0 | SE | 9 | | | 0 | 3 | Ci st | ? | Clear | 6 | 6 | 6 | REL | 16 |
| 17 | 74.5 | 29.376 | .174 | 29.202 | 30.14 | 34.5 | 31.7 | 28 | 74 | .150 | 39.3 | 33.2 | SW | 6 | | | 0 | 0 | — | — | Clear | 5 | 6 | 6 | LCS | 17 |
| 18 | 74.0 | 29.114 | .171 | 28.943 | 29.87 | 36.5 | 36.0 | 36 | 95 | .211 | 54.1 | 36.5 | NE | 12 | | | 0.50 | 10 | st | NE | Light Rain | 5 | 4 | 4 | LCS | 18 |
| 19 | 69.0 | 28.933 | .158 | 28.775 | 29.72 | 32.0 | 31.9 | 32 | 99 | .180 | 35.1 | 32.0 | NE | 16 | | | 0.27 | 10<br>10 | nb<br>st fog | NE<br>NE | Light Rain | 5 | 5 | 3 | SKW | 19 |
| 20 | 72.5 | 28.688 | .166 | 28.522 | 29.45 | 32.2 | 32.0 | 32 | 98 | .180 | 33.0 | 32.0 | NE | 12 | | | 0.16 | 10<br>10 | nb<br>D. fog | NE<br>NE | Misting | 2 | 4 | 5 | LCS | 20 |
| 21 | 73.5 | 28.688 | .169 | 28.519 | 29.45 | 28.0 | 26.5 | 24 | 82 | .124 | 36.9 | 28.0 | SW | 18 | | | .01 | 10 | st cu | SW | Light Snow | 6 | 5 | 5 | LCS | 21 |
| 22 | 75.0 | 29.056 | .174 | 28.882 | 29.83 | 29.5 | 28.0 | 26 | 84 | .136 | 30.7 | 29.5 | W | 12 | | | .01 | 2<br>8 | a st<br>st cu | ?<br>W | Light Snow | 7 | 7 | 7 | REL | 22 |
| 23 | 74.0 | 29.264 | .172 | 29.092 | 30.04 | 28.0 | 25.6 | 21 | 72 | .108 | 34.5 | 26.7 | N | 8 | | | 0 | 4<br>6 | a st<br>st cu | W<br>N | Cloudy | 7 | 7 | 7 | LCS | 23 |
| 24 | 75.0 | 29.677 | .177 | 29.500 | 30.46 | 26.2 | 24.7 | 22 | 82 | .113 | 30.8 | 25.0 | NE | 6 | | | 0 | 0 | — | — | Clear | 6 | 7 | 7 | REL | 24 |
| 25 | 69.0 | 29.040 | .158 | 28.882 | 29.83 | 31.9 | 31.9 | 32 | 100 | .180 | 34.1 | 29.8 | SE | 9 | | | 0.46 | 10 | st | SE | Light Snow | 4 | 5 | 6 | REL | 25 |
| 26 | 76.5 | 29.406 | .179 | 29.227 | 30.17 | 31.9 | 30.0 | 27 | 80 | .143 | 34.0 | 31.5 | NW | 13 | | | T | 10 | st cu | NW | Cloudy | 7 | 7 | 6 | LCS | 26 |
| 27 | 71.0 | 29.395 | .165 | 29.230 | 30.17 | 35.7 | 33.7 | 31 | 82 | .172 | 38.0 | 35.1 | S | 10 | | | 0 | 10 | st cu | NW | Cloudy | 5 | 6 | 6 | REL | 27 |
| 28 | 66.0 | 29.472 | .152 | 29.320 | 30.27 | 31.3 | 29.5 | 27 | 81 | .143 | 45.5 | 28.6 | NW | 9 | | | 0 | 1 | a st | ? | Clear | 6 | 8 | 8 | LCS | 28 |
| 29 | 73.5 | 29.570 | .172 | 29.398 | 30.36 | 31.5 | 29.0 | 25 | 74 | .130 | 38.2 | 28.3 | E | 5 | | | 0 | 3 | a cu | N | Clear | 5 | 7 | 6 | REL | 29 |
| 30 | 71.0 | 29.372 | .164 | 29.208 | 30.14 | 42.0 | 35.4 | 26 | 50 | .136 | 46.5 | 37.6 | S | 13 | | | T | 10 | st cu | S | Cloudy | 6 | 5 | 6 | LCS | 30 |
| 31 | 70.0 | 29.013 | .161 | 28.852 | 29.76 | 54.4 | 53.8 | 53 | 96 | .402 | 54.4 | 50.1 | SE | 10 | | | .13 | 10 | st cu | S | Lt Rain | 4 | 6 | 5 | REL | 31 |
| Sums | | (a) | (a) | 901.679 | 931.02 | 980.0 | 925.5 | 835 | 2525 | 4.768 | (a) | (a) | (a) | 308 | (a) | (a) | 2.11 | 238 | (a) | (a) | (a) | (a) | (a) | (a) | | |
| Means | | (a) | (a) | 29.086 | 30.033 | 31.6 | 29.9 | 26.9 | 81.5 | .154 | (a) | (a) | (c) NW | 9.9 | (a) | (a) | (a) | 7.7 | U ast<br>L st cu | U W<br>L NE | (a) | (a) | (a) | (a) | | |

8—154 Reference letters in this form refer to paragraph 121, "Instructions for Preparing Meteorological Forms."

† By dial when self-register is out of order.
†† T indicates trace of precipitation.

Wind data corrected to true velocity.

U, upper clouds. L, lower clouds.

Use visibility scale in "Instructions for Preparing Meteorological Forms."

# ORIGINAL MONTHLY RECORD OF OBSERVATIONS at Fort Wayne, Ind., for the Month of MAR 1933, 193

Number of Station barometer, 656; sum of corrections, −.052 inch.

OBSERVATIONS AT 8 P. M. 75TH MERIDIAN TIME, WHICH CORRESPONDS TO 7.53 P. M. 90 MERIDIAN TIME, THE STANDARD OF TIME IN LOCAL USE; 7:19 P. M. LOCAL MEAN TIME.

| Date. | Barometer. Attached thermometer. | Barometer. Observed reading. | Barometer. Total correction. | Barometer. Station. (Observed reading plus total cor.) (b) | Barometer. Reduced to sea-level. (b) | Thermometers. Dry. (b) | Thermometers. Wet. (b) | Dew-point. (b) | Relative humidity. (b) | Vapor pressure. (b) | Self-Reg. Ther's. Max. (b) | Self-Reg. Ther's. Min. (b) | Wind. Dir. | Wind. Velocity. (b) † | Wind. Max. during preceding 12 hours. | Wind. Dir. | Precipitation. Amt. at 8 p. m. (b) †† | Clouds. Amt. | Clouds. Kind. | Clouds. Dir. from. | State of Weather. | Fog, Mid. to Mid. (Local standard time.) Light (f). Began. | Light (f). Ended. | Dense (f). Began. | Dense (f). Ended. | Initials of observer. | Date. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | In. | | In. | In. | ° | ° | ° | % | In. | ° | ° | | Mi. | Mi. | | In. | | | | | | | | | | |
| 1 | 75.0 | 29.369 | .175 | 29.194 | 30.14 | 30.3 | 26.8 | 20 | 62 | .103 | 35.7 | 30.3 | NW | 14 | | | T | 6 | ast | W | | | | | | LCS | 1 |
| | | | | | | | | | | | | | | | | | | 4 | st | NW | Cloudy | | | | | | |
| 2 | 74.0 | 29.490 | .173 | 29.317 | 30.28 | 33.2 | 30.7 | 27 | 76 | .143 | 34.4 | 28.9 | NW | 5 | | | 0 | 8 | stlw | N | Cloudy | | | | | REL | 2 |
| 3 | 75.0 | 29.464 | .176 | 29.288 | 30.24 | 37.0 | 33.1 | 27 | 67 | .143 | 39.9 | 31.3 | N | 7 | | | T | 10 | stlw | N | Cloudy | | | | | LCS | 3 |
| 4 | 74.5 | 29.656 | .175 | 29.481 | 30.44 | 33.5 | 28.9 | 21 | 56 | .108 | 35.9 | 31.8 | NE | 6 | | | 0 | 10 | stlw | NE | Cloudy | | | | | LCS | 4 |
| 5 | 76.5 | 29.652 | .181 | 29.471 | 30.43 | 34.8 | 30.6 | 24 | 62 | .124 | 39.3 | 29.0 | SE | 6 | | | 0 | 2 | st | SE | Clear | | | | | LCS | 5 |
| 6 | 75.0 | 29.154 | .175 | 28.979 | 29.93 | 42.2 | 37.0 | 30 | 61 | .164 | 42.5 | 25.7 | E | 6 | | | 0 | 10 | ast | W | Cloudy | | | | | LCS | 6 |
| 7 | 71.5 | 28.704 | .163 | 28.541 | 29.46 | 40.0 | 35.7 | 30 | 66 | .164 | 46.2 | 35.5 | N | 10 | | | 0 | 10 | st | NE | Cloudy | 8:15A | 9:50A | | | REL | 7 |
| 8 | 75.5 | 28.798 | .174 | 28.624 | 29.55 | 37.8 | 32.0 | 23 | 52 | .118 | 47.6 | 34.1 | NW | 24 | | | T | 10 | stlw | NW | Cloudy | | | | | LCS | 8 |
| 9 | 81.0 | 29.305 | .191 | 29.114 | 30.07 | 21.3 | 18.1 | 9 | 55 | .060 | 26.2 | 21.3 | NW | 16 | | | 0 | 3 | alw | W | Clear | | | | | REL | 9 |
| 10 | 77.5 | 29.623 | .183 | 29.440 | 30.42 | 15.8 | 13.4 | 6 | 59 | .052 | 18.5 | 9.5 | NW | 6 | | | T | 0 | - | - | Clear | | | | | LCS | 10 |
| 11 | 77.0 | 29.420 | .181 | 29.239 | 30.20 | 30.2 | 27.0 | 21 | 66 | .108 | 32.5 | 18.0 | W | 7 | | | T | 10 | stlw | W | Cloudy | | | | | REL | 11 |
| 12 | 76.0 | 29.067 | .176 | 28.891 | 29.84 | 47.8 | 43.7 | 40 | 72 | .247 | 56.2 | 26.0 | S | 9 | | | 0 | Few | li st | ? | Clear | | | | | REL | 12 |
| 13 | 70.0 | 28.521 | .159 | 28.362 | 29.27 | 60.0 | 58.8 | 58 | 93 | .482 | 60.1 | 50.0 | S | 10 | | | .93 | 10 | Nb | SW | Raining | DNA<br>8:30P | 3:50P<br>DN? | | | BBW | 13 |
| 14 | 72.0 | 29.011 | .166 | 28.845 | 29.76 | 39.0 | 37.1 | 34 | 85 | .195 | 50.1 | 39.0 | NW | 14 | | | T | 10 | stlw | NW | Cloudy | 8:00A | 2:10P | DN? | 8:00A | BBW | 14 |
| 15 | 73.0 | 29.576 | .170 | 29.406 | 30.37 | 28.1 | 24.0 | 15 | 54 | .081 | 32.1 | 27.2 | NW | 8 | | | T | 1 | ci | NW | Clear | | | | | BBW | 15 |
| 16 | 72.5 | 29.385 | .169 | 29.216 | 30.17 | 39.3 | 35.2 | 29 | 67 | .157 | 41.1 | 24.6 | S | 8 | | | 0 | 9<br>8 | ast<br>ci | SW<br>SW | Cloudy | | | | | BBW | 16 |
| 17 | 74.0 | 29.291 | .172 | 29.119 | 30.06 | 54.1 | 45.0 | 35 | 48 | .203 | 57.7 | 34.5 | S | 6 | | | 0 | 1 | ast | SW | Cloudy | | | | | BBW | 17 |
| 18 | 71.5 | 29.119 | .164 | 28.955 | 29.91 | 35.1 | 35.0 | 35 | 99 | .203 | 39.0 | 35.1 | NE | 14 | | | .01 | 10<br>10 | nb<br>Hzy | NE<br>NE | Lt Rain | 7:20A | Cntd | | | BBW | 18 |
| 19 | 70.0 | 28.902 | .161 | 28.741 | 29.68 | 33.0 | 33.0 | 33 | 100 | .187 | 34.0 | 32.0 | NE | 11 | | | .02 | 10<br>10 | st<br>Hzy | NE<br>NE | Misting | Cntd<br>Cntd | Cntd<br>DNA | | | BBW | 19 |
| 20 | 76.5 | 28.621 | .175 | 28.446 | 29.38 | 36.9 | 36.0 | 35 | 92 | .203 | 40.2 | 32.2 | SW | 12 | | | .26 | 10 | st | SW | Cloudy | 7:05A | 12:15P | DNA | 7:05A | BBW | 20 |
| 21 | 76.5 | 28.847 | .176 | 28.671 | 29.61 | 30.0 | 28.7 | 26 | 86 | .136 | 30.0 | 26.7 | W | 18 | | | .03 | 10 | st | W | Light Snow | | | | | BBW | 21 |
| 22 | 75.5 | 29.220 | .176 | 29.044 | 29.99 | 34.5 | 30.3 | 24 | 61 | .124 | 35.7 | 29.2 | NW | 5 | | | T | 10 | stcu | NW | Cloudy | | | | | LCS | 22 |
| 23 | 75.0 | 29.527 | .176 | 29.351 | 30.31 | 29.8 | 27.0 | 22 | 70 | .113 | 30.0 | 27.8 | NW | 6 | | | T | 10 | stcu | NW | Cloudy | | | | | REL | 23 |
| 24 | 77.0 | 29.580 | .181 | 29.399 | 30.36 | 34.1 | 30.3 | 24 | 64 | .124 | 36.5 | 26.2 | SE | 9 | | | 0 | 4<br>6 | acu<br>stcu | W<br>SE | Cloudy | | | | | LCS | 24 |
| 25 | 73.5 | 29.603 | .170 | 28.933 | 29.88 | 34.0 | 32.1 | 29 | 82 | .157 | 35.0 | 31.9 | NW | 19 | | | .18 | 10 | stcu | NW | Cloudy | | | | | LCS | 25 |
| 26 | 68.5 | 29.448 | .158 | 29.290 | 30.24 | 38.0 | 34.0 | 28 | 67 | .150 | 40.4 | 31.9 | NW | 4 | | | 0 | 2<br>2 | st<br>stcu | NW<br>NW | Part Cloudy | | | | | LCS | 26 |
| 27 | 73.0 | 29.366 | .169 | 29.197 | 30.14 | 45.5 | 41.1 | 36 | 69 | .211 | 53.4 | 35.7 | NW | 11 | | | T | 2<br>1 | ast<br>stcu | W<br>NW | Clear | | | | | LCS | 27 |
| 28 | 74.5 | 29.498 | .174 | 29.324 | 30.27 | 38.2 | 33.6 | 27 | 62 | .143 | 44.8 | 31.3 | NW | 9 | | | 0 | 2<br>5<br>3 | cicu<br>acu<br>ast | NW<br>NW<br>W | Part Cloudy | | | | | REL | 28 |
| 29 | 75.0 | 29.462 | .176 | 29.286 | 30.24 | 46.5 | 39.5 | 30 | 54 | .164 | 49.5 | 31.5 | E | 9 | | | 0 | 4 | st | E | Part Cloudy | | | | | LCS | 29 |
| 30 | 73.0 | 29.184 | .169 | 29.015 | 29.96 | 52.0 | 49.5 | 47 | 84 | .322 | 52.0 | 42.0 | SE | 13 | | | 0.20 | 10 | st | S | Cloudy | | | | | REL | 30 |
| 31 | 70.0 | 28.856 | .160 | 28.696 | 29.61 | 58.3 | 57.0 | 56 | 92 | .448 | 60.0 | 54.4 | SE | 6 | | | .07 | 10 | stcu | SE | Cloudy | | | | | LCS | 31 |
| Sums | | (a) | (a) | 900.875 | 930.21 | 1170.3 | 1064.2 | 901 | 2183 | 5.337 | (a) | (a) | (a) | 308 | (a) | (a) | 1.70 | 243 | (a) | (a) | (a) | (a) | (a) | (a) | (a) | (a) | (a) |
| Means | | (a) | (a) | 29.060 | 30.007 | 37.8 | 34.3 | 29.1 | 70.4 | .172 | (a) | (a) | (c) NW | 9.9 | (a) | (a) | (a) | 7.8 | Uast Lstcu | UW LNW | (a) | (a) | (a) | (a) | (a) | (a) | (a) |

Observations are begun about 7.40 o'clock, 75th meridian time.

† By dial when self-register is out of order.

†† T indicates trace of precipitation.

Wind data corrected to true velocity.

U, upper clouds. L, lower clouds.

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# ORIGINAL MONTHLY RECORD OF OBSERVATIONS at Fort Wayne, Ind., for the Month of MAR 1933, 193

| DATE. | TEMPERATURE. Maximum. (b) | Minimum (b) | Range. (b) | Change. (b) | Mean (max. and min.). (b) | Normal. | Departure. | Total excess or deficiency since 1st of month. | PRECIPITATION. Character. ‡ | Beginning. | Ending. | Character ‡ | Beginning. | Ending. | Character. ‡ | Beginning. | Ending. | Character. ‡ | Beginning. | Ending. | Total (mid. to mid.). (b)†† | Normal. | Departure. | Total excess or deficiency since 1st of month. | Hail and sleet unmelted. 7 p. m. to 7 p. m. *‡‡ | Snow unmelted. 7 p.m. to 7 p.m. *‡‡ | Hail, sleet, and snow on ground at 7 p. m. *‡‡ | Amount of precipitation from melted snow (mid. to mid.). | DATE. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | ° | ° | ° | ° | (40) ° | | | | | | | | | | | | | | | | In. | | | -1.17 | In. | In. | In. | In. | |
| Wednesday 1 | 37 | ~~37~~ 30 | ~~6~~ 7 | 6 | 34 | | | | | | | | | | | | | | | | T | .09 | -.09 | -.09 | 0 | T | 0 | T | 1 |
| 2 | 34 | 29 | 5 | 2 | 32 | | | | | | | | | | | | | | | | 0 | .08 | -.08 | -.17 | 0 | 0 | 0 | 0 | 2 |
| 3 | 40 | 31 | 9 | 4 | 36 | | | | | | | | | | | | | | | | T | .08 | -.08 | -.25 | 0 | T | 0 | T | 3 |
| 4 | 36 | 28 | 8 | 4 | 32 | | | | | | | | | | | | | | | | 0 | .09 | -.09 | -.34 | 0 | T | 0 | 0 | 4 |
| 5 | 39 | 28 | 11 | 2 | 34 | | | | | | | | | | | | | | | | 0 | .09 | -.09 | -.43 | 0 | 0 | 0 | 0 | 5 |
| 6 | 42 | 26 | 16 | 0 | 34 | | | | | | | | | | | | | | | | 0 | .10 | -.10 | -.53 | 0 | 0 | 0 | 0 | 6 |
| 7 | 46 | 36 | 10 | 7 | 41 | | | | | | | | | | | | | | | | T | .09 | -.09 | -.62 | 0 | 0 | 0 | 0 | 7 |
| 8 | 48 | 30 | 18 | 2 | 39 | | | | | | | | | | | | | | | | T | .10 | -.10 | -.72 | 0 | T | 0 | T | 8 |
| 9 | 30 | 14 | 16 | 17 | 22 | | | | | | | | | | | | | | | | 0 | .10 | -.10 | -.82 | 0 | 0 | 0 | 0 | 9 |
| 10 | 18 | 10 | 8 | 8 | 14 | | | | | | | | | | | | | | | | .01 | .10 | -.09 | -.91 | 0 | 0.1 | 0.1 | .01 | 10 |
| 11 | 32 | 14 | 18 | 9 | 23 | | | | | | | | | | | | | | | | T | .11 | -.11 | -1.02 | 0 | T | T | T | 11 |
| 12 | 56 | 26 | 30 | 18 | 41 | | | | | | | | | | | | | | | | 0 | .12 | -.12 | -1.14 | 0 | 0 | 0 | 0 | 12 |
| 13 | 60 | 49 | 11 | 13 | 54 | | | | | | | | | | | | | | | | 1.48 | .13 | +1.35 | +0.21 | 0 | 0 | 0 | 0 | 13 |
| 14 | 50 | 35 | 15 | 12 | 42 | | | | | | | | | | | | | | | | .01 | .12 | -.11 | +.10 | .2 | 0 | 0 | 0 | 14 |
| 15 | 35 | 26 | 9 | 12 | 30 | | | | | | | | | | | | | | | | T | .12 | -.12 | -.02 | 0 | T | 0 | T | 15 |
| 16 | 41 | 24 | 17 | 2 | 32 | | | | | | | | | | | | | | | | 0 | .11 | -.11 | -.13 | 0 | 0 | 0 | 0 | 16 |
| 17 | 58 | 33 | 25 | 14 | 46 | | | | | | | | | | | | | | | | 0 | .11 | -.11 | -.24 | 0 | 0 | 0 | 0 | 17 |
| 18 | 50 | 32 | 18 | 5 | 41 | | | | | | | | | | | | | | | | 0.63 | .10 | +.53 | +.29 | 0 | 0 | 0 | 0 | 18 |
| 19 | 34 | 32 | 2 | 8 | 33 | | | | | | | | | | | | | | | | 0.17 | .10 | +.07 | +.36 | 0 | 0 | 0 | 0 | 19 |
| 20 | 40 | 31 | 9 | 3 | 36 | | | | | | | | | | | | | | | | 0.42 | .10 | +.32 | +.68 | 0 | 0 | 0 | 0 | 20 |
| 21 | 31 | 27 | 4 | 7 | 29 | | | | | | | | | | | | | | | | 0.04 | .10 | -.06 | +.62 | 0 | 0.4 | T | .04 | 21 |
| 22 | 36 | 29 | 7 | 3 | 32 | | | | | | | | | | | | | | | | 0.01 | .11 | -.10 | +.52 | 0 | 0.1 | 0 | .01 | 22 |
| 23 | 31 | 27 | 4 | 3 | 29 | | | | | | | | | | | | | | | | T | .11 | -.11 | +.41 | 0 | T | 0 | T | 23 |
| 24 | 36 | 25 | 11 | 1 | 30 | | | | | | | | | | | | | | | | 0 | .11 | -.11 | +.30 | 0 | 0 | 0 | 0 | 24 |
| 25 | 35 | 30 | 5 | 2 | 32 | | | | | | | | | | | | | | | | 0.64 | .12 | +.52 | +.82 | 0 | 4.2 | 2.8 | .58 | 25 |
| 26 | 40 | 32 | 8 | 4 | 36 | | | | | | | | | | | | | | | | T | .11 | -.11 | +.71 | 0 | T | T | T | 26 |
| 27 | 53 | 32 | 21 | 6 | 42 | | | | | | | | | | | | | | | | T | .10 | -.10 | +.61 | 0 | 0 | T | 0 | 27 |
| 28 | 45 | 29 | 16 | 5 | 37 | | | | | | | | | | | | | | | | 0 | .10 | -.10 | +.51 | 0 | 0 | 0 | 0 | 28 |
| 29 | 50 | 28 | 22 | 2 | 39 | | | | | | | | | | | | | | | | 0 | .10 | -.10 | +.41 | 0 | 0 | 0 | 0 | 29 |
| 30 | 52 | 38 | 14 | 6 | 45 | | | | | | | | | | | | | | | | .20 | .11 | +.09 | +.50 | 0 | 0 | 0 | 0 | 30 |
| 31 | 60 | 51 | 9 | 11 | 56 | | | | | | | | | | | | | | | | 0.39 | .11 | +.28 | +.78 | 0 | 0 | 0 | 0 | 31 |
| S | 1295 | ~~413~~ 912 | ~~382~~ 383 | 198 | 1103 | | Total excess or deficiency since Jan. 1, Degree days | | (a) | (a) | (a) | (a) | (a) | (a) | (a) | (a) | (a) | (a) | (a) | (a) | 4.00 | 3.22 | Total excess or deficiency since Jan. 1, | 0.2 | 4.8 | (a) | (a) | (a) | |
| M | 41.8 | ~~29.5~~ 29.4 | ~~12.3~~ 12.4 | 6.4 | (a) | (a) | 912 | | (a) | (a) | (a) | (a) | (a) | (a) | (a) | (a) | (a) | (a) | (a) | (a) | (a) | (a) | -0.39 | (a) | (a) | (a) | (a) | (a) | |

All data are in the standard of time in local use. ‡ Use the following abbreviations: R—rain, S$^{d}$—dry snow, S$^{m}$—moist snow, H—hail, Sl—sleet. †† T indicates trace of precipitation. ‡‡ Enter the local standard time of observation. * Inches and tenths



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# SUMMARY FOR THE MONTH OF MAR 1933, 193

The 8 a. m. and 8 p. m. means of pressure, dry and wet thermometers, dew-point, humidity, vapor pressure, and mean cloudiness are in 75th meridian time. All other data are in the standard of time in local use.

## PRESSURE.

(Correction to reduce to a 24-hour mean -.005.)

### STATION.

| Mean. 8 a. m. | Mean. 8 p. m. | Mean. Monthly. (g) | Highest. (h) | Date. | Lowest. (h) | Date. | Absolute range. |
|---|---|---|---|---|---|---|---|
| 29.086 | 29.060 | 29.073 | 29.596 | 5 | 28.362 | 13 | 1.234 |
| Corrected mean.... | | 29.068 | | | | | |

### REDUCED.

| Mean. 8 a. m. | Mean. 8 p. m. | Mean. Monthly. (g) | Highest. (h) | Date. | Lowest. (h) | Date. | Absolute range. |
|---|---|---|---|---|---|---|---|
| 30.033 | 30.007 | 30.020 | 30.57 | 5 | 29.27 | 13 | 1.30 |
| Corrected mean.... | | 30.015 | | | | | |

## TEMPERATURE.

### MEAN.

| Dry. 8 a. m. | Dry. 8 p. m. | Dry. (8+8)÷2 (g) | Wet. 8 a. m. | Wet. 8 p. m. | Wet. Monthly. (g) | Max. | Min. | Monthly. (g) |
|---|---|---|---|---|---|---|---|---|
| 31.6 | 37.8 | 34.7 | 29.9 | 34.3 | 32.1 | 41.8 | 29.4/5 | 35.6 |

| Highest. (i) | Date. (i) | Lowest. (i) | Date. (i) | Absolute range. | Greatest daily range. (i) | Date. (i) | Least daily range. (i) | Date. (i) |
|---|---|---|---|---|---|---|---|---|
| 60 | 13 | 10 | 10 | 50 | 30 | 12 | 2 | 19 |

| Dew-point. 8 a. m. | Dew-point. 8 p. m. | Dew-point. Monthly. (g) | Relative Humidity. 8 a. m. | Relative Humidity. 8 p. m. | Relative Humidity. Monthly. (g) | Vapor Pressure. 8 a. m. | Vapor Pressure. 8 p. m. | Vapor Pressure. Monthly. (g) |
|---|---|---|---|---|---|---|---|---|
| 26.9 | 29.1 | 28.0 | 81.5 | 70.4 | 76.0 | .154 | .172 | .163 |

| Number of days with—(j) Maximum. 32° or below. | Maximum. 90° or above. | Minimum. 32° or below. | Minimum. Zero or below. |
|---|---|---|---|
| 4 | 0 | 25 | 0 |

CLOUDS.

Most frequent clouds.... Strato-Cumulus

Most frequent direction upper clouds.. West

Most frequent direction lower clouds.. Northwest

## WIND.

(Wind data corrected to true velocity.)

| Total movement (mid. to mid.). | Average hourly velocity. | Prevailing direction. (p) | Maximum velocity. (r) | Direction. (r) | Date. (r) | Number of Times Wind Observed from the—N. | NE. | E. | SE. | S. | SW. | W. | NW. | Calm. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 7956 | 10.7 | NW | 35 | NW | 8 | 5 | 8 | 4 | 8 | 7 | 4 | 6 | 19 | 1 |

## WEATHER.

| Mean Cloudiness. 8 a. m. | 8 p. m. | Monthly. (t) | Sunshine. Percentage of possible. | Number of Days. Clear. | Partly cloudy. | Cloudy. | Number of Days with Precipitation (Mid. to Mid.). Clear. (u) | Partly cloudy. (u) | Cloudy. (u) |
|---|---|---|---|---|---|---|---|---|---|
| 7.7 | 7.8 | 8.2 | 35 | 0 | 12 | 19 | 0 | 1 | 10 |

## MISCELLANEOUS PHENOMENA.

DATES OF—(MIDNIGHT TO MIDNIGHT).

| Frosts. Light. | Heavy. | Killing. | Thunderstorms. (v) | Winds. (32 miles or over.) | Solar Halos. | Lunar Halos. | Fog. Light. | Dense. | Haze. Light. | Dense. | Smoke. Light. | Dense. | Hail. | Aurora. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| — | — | — | 13, 20 | 8 | 17, 24 9, 12, 16, | 10 | 19, 20 7, 13, 14, 18 | 14, 20 | 25, 29 6, 12, 18, 20 | 0 | 5, 7 | 0 | 13 | 0 |

## PRECIPITATION (in inches and hundredths). (m)

| Total amount | Greatest Amount in 24 Consecutive Hours. Amt. | Date. (k) | Excessive. 2.50 Inches in 24 Hours. (l) * Amt. | Duration. h. m. | Date. (k) | 1 Inch per Hour. (l) Amt. | Duration. h. m. | Date. (k) |
|---|---|---|---|---|---|---|---|---|
| 4.00 | 1.49 | 13-14 | — | — | — | — | — | — |

| Number of days with—(Mid. to Mid.). Trace. | .01 or more. | .04 or more. | .25 or more. | 1.00 or more. | Total. | Snow. Trace or more. | Snow. .01 or more melted. | Snow. Total Depth. (o) | Snow. Average Depth at End of Month. |
|---|---|---|---|---|---|---|---|---|---|
| 9 | 11 | 8 | 5 | 1 | 20 | 11 | 4 | 4.8 | 0 |

These maxima do not include the snowfall on the 25th

(w) Maximum precipitation in 5 minutes 0.29, date 13; 10 minutes 0.35, date 13; 15 minutes 0.40, date 13;

30 minutes 0.49, date 13; 1 hour 0.51, date 13; 2 hours 0.58, date 13.

## EXCESSIVE.

| Date. | Total Duration. From— | To— | Total amount of precipitation. | Excessive Rate. Began— | Ended— | Amt. before excessive began. | Accumulated Depths During Excessive Rate for Consecutive Periods of Time Indicated Below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 13 | 6 20 p. | 8 10 p. | 0.55 | 7 24 p. | 7 39 p. | 0.08 | .26 | .36 | .41 | .44 | .46 | .47 | .47 | .47 | .47 | .47 | .47 | .47 | .47 | .47 |

* The duration is the time precipitation was actually recorded.

8—154

Prepared by Lloyd C. Skinner

B B Mather, Meteorologist, Weather Bureau.

(6)

ORIGINAL MONTHLY RECORD OF OBSERVATIONS at Fort Wayne, Ind., for the Month of MAR 1933, 193

Number of Station barometer, 656; sum of corrections, -.052 inch.

| Date. | Special Observations. Time. 75th mer. | Time. Local (standard). | Barometer. Attached thermometer | Barometer. Observed reading. | Barometer. Total correction. | Barometer. Station. (Observed reading plus total cor.) | Barometer. Reduced to sea-level. | Thermometers. Dry. | Thermometers. Wet. | Dew-point. | Depression of the dew-point. | Relative humidity. | Maximum thermometer. | Wind. Direction. | Wind. Velocity.† | Wind. Max. since last observation. | Wind. Direction. | Precipitation.†† | Clouds. Amt. | Clouds. Kind. | Clouds. Dir. from. | State of Weather. | Special Phenomena. | Initials of Observer. | Date. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | | | | | | | | | | | |

8—154 If additional space is required, rule a sheet similar to this, and paste to this margin.

Wind data corrected to true velocity.

† By dial when self-register is out of order.
†† T indicates trace of precipitation.

# ORIGINAL MONTHLY RECORD OF OBSERVATIONS at Fort Wayne, Ind., for the Month of MAR 1933, 193

## Wind—Number of Miles and Length of Time From. (Standard of time in local use, 90 meridian.)

| DATE. | N. | | NE. | | E. | | SE. | | S. | | SW. | | W. | | NW. | | CALM. | | TOTAL. | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | MILES. | HOURS. | MILES. | HOURS. | MILES. | HOURS. | MILES. | HOURS. | MILES. | HOURS. | MILES. | HOURS. | MILES. | HOURS. | MILES. | HOURS. | MILES. | HOURS. | MILES. | HOURS. |
| 1 | | | | | | | | | | | | | | | 333 | 24 | | | 333 | 24 |
| 2 | 20 | 2 | | | | | | | | | | | | | 206 | 22 | | | 226 | 24 |
| 3 | 14 | 2 | | | | | | | | | | | | | 200 | 22 | | | 214 | 24 |
| 4 | 157 | 20 | 10 | 2 | | | | | | | | | | | 17 | 2 | | | 184 | 24 |
| 5 | | | 11 | 2 | 73 | 13 | 67 | 9 | | | | | | | | | | | 151 | 24 |
| 6 | | | 6 | 1 | 104 | 16 | 40 | 7 | | | | | | | | | | | 150 | 24 |
| 7 | 91 | 9 | 134 | 13 | 9 | 1 | | | | | | | | | 10 | 1 | | | 244 | 24 |
| 8 | | | | | | | | | | | 33 | 2 | 318 | 16 | 72 | 6 | | | 423 | 24 |
| 9 | | | | | | | | | | | | | 165 | 9 | 251 | 15 | | | 416 | 24 |
| 10 | 17 | 4 | | | | | | | | | | | 41 | 3 | 204 | 17 | | | 262 | 24 |
| 11 | 10 | 2 | | | | | 7 | 1 | 57 | 6 | 55 | 4 | 90 | 11 | | | | | 219 | 24 |
| 12 | | | | | | | | | 19 | 2 | 216 | 14 | 37 | 8 | | | | | 272 | 24 |
| 13 | 13 | 1 | 6 | 1 | | | 18 | 2 | 131 | 13 | 56 | 6 | 9 | 1 | | | | | 233 | 24 |
| 14 | | | | | | | | | | | 41 | 7 | 30 | 4 | 155 | 13 | | | 226 | 24 |
| 15 | 12 | 3 | | | | | | | | | | | | | 282 | 21 | | | 294 | 24 |
| 16 | 14 | 3 | | | | | 40 | 5 | 116 | 12 | 52 | 4 | | | | | | | 222 | 24 |
| 17 | | | | | | | 24 | 3 | 69 | 9 | 89 | 12 | | | | | | | 182 | 24 |
| 18 | | | 249 | 21 | 21 | 2 | 7 | 1 | | | | | | | | | | | 277 | 24 |
| 19 | | | 261 | 22 | 20 | 2 | | | | | | | | | | | | | 281 | 24 |
| 20 | | | 117 | 11 | 19 | 3 | | | | | 66 | 5 | 60 | 5 | | | | | 262 | 24 |
| 21 | | | | | | | | | | | 189 | 12 | 195 | 12 | | | | | 384 | 24 |
| 22 | 7 | 1 | | | | | | | | | | | 250 | 17 | 37 | 6 | | | 294 | 24 |
| 23 | 62 | 6 | 53 | 6 | | | | | | | | | 9 | 1 | 96 | 11 | | | 220 | 24 |
| 24 | 33 | 5 | 48 | 6 | 96 | 9 | 18 | 2 | | | | | 8 | 1 | 9 | 1 | | | 212 | 24 |
| 25 | | | | | 79 | 6 | 37 | 4 | | | 19 | 2 | 104 | 6 | 109 | 6 | | | 348 | 24 |
| 26 | | | | | | | | | | | | | 60 | 5 | 203 | 19 | | | 263 | 24 |
| 27 | | | | | | | | | 90 | 10 | 24 | 2 | 21 | 2 | 98 | 10 | | | 233 | 24 |
| 28 | 14 | 2 | | | | | | | | | | | | | 220 | 22 | | | 234 | 24 |
| 29 | 11 | 2 | 11 | 2 | 86 | 10 | 77 | 8 | | | | | | | 11 | 2 | | | 196 | 24 |
| 30 | | | | | 40 | 4 | 184 | 17 | 37 | 3 | | | | | | | | | 261 | 24 |
| 31 | | | | | | | 80 | 8 | 103 | 9 | 57 | 7 | | | | | | | 240 | 24 |
| SUM, | 475 | 62 | 906 | 87 | 547 | 66 | 599 | 67 | 622 | 64 | 897 | 77 | 1397 | 101 | 2513 | 220 | 0 | 0 | 7956 | 744 |
| PERCENTAGE, | 6 | 8 | 11 | 12 | 7 | 9 | 7 | 9 | 8 | 9 | 11 | 10 | 18 | 14 | 32 | 29 | 0 | 0 | a | a |
| AVG. HOURLY VELOCITY, | 7.7 | a | 10.4 | a | 8.3 | a | 8.9 | a | 9.7 | a | 11.6 | a | 13.8 | a | 11.4 | a | 0 | a | 10.7 | a |

Wind data corrected to true velocity.

# ORIGINAL MONTHLY RECORD OF OBSERVATIONS at Fort Wayne, Ind., for the Month of APR 1933, 193

Number of Station barometer, 6.56; sum of corrections, −.052 inch.

OBSERVATIONS AT 8 A. M. 75TH MERIDIAN TIME, WHICH CORRESPONDS TO 7.00 A. M. 90 MERIDIAN TIME, THE STANDARD OF TIME IN LOCAL USE; 7.19 A. M. LOCAL MEAN TIME.

| Date. | Barometer. Attached thermometer. | Barometer. Observed reading. | Barometer. Total correction. | Barometer. Station. (Observed reading plus total cor.) (b) | Barometer. Reduced to sea-level. (b) | Thermometers. Dry. (b) | Thermometers. Wet. (b) | Dew-point. (b) | Relative humidity. (b) | Vapor pressure. (b) | Self-Reg. Ther's Max. (b) | Self-Reg. Ther's Min. (b) | Wind. Dir. | Wind. Velocity. (b) † | Wind. Max. during preceding 12 hours. | Wind. Dir. | Precipitation. Amt. at 8 a. m. (b) †† | Clouds. Amt. | Clouds. Kind. | Dir. from. | State of Weather. | Visibility. 8 a. m. | Visibility. Local noon. | Visibility. 8 p. m. | Initials of Observer: | Date. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | In. | | In. | In. | ° | ° | ° | % | In. | ° | ° | | Mi. | Mi. | | In. | | | | | | | | | |
| 1 | 68.0 | 28.815 | .155 | 28.660 | 29.58 | 43.0 | 42.7 | 42 | 98 | .266 | 58.8 | 43.0 | VW | 13 | | | 0.50 | 10 | St Cu | NW | Light Rain | 6 | 6 | 6 | LCS | 1 |
| 2 | 65.5 | 28.946 | .149 | 28.797 | 29.72 | 43.7 | 43.6 | 44 | 99 | .287 | 44.8 | 43.3 | W | 8 | | | 0.07 | 10 | St | W | Light Rain | 4 | 8 | 6 | REL | 2 |
| 3 | 71.0 | 28.900 | .163 | 28.737 | 29.66 | 41.3 | 38.7 | 35 | 80 | .203 | 46.4 | 40.0 | SW | 8 | | | T | 10 | St Cu | SW | Cloudy | 6 | 7 | 6 | REL | 3 |
| 4 | 67.0 | 29.106 | .153 | 28.953 | 29.89 | 36.5 | 35.2 | 33 | 89 | .187 | 42.0 | 35.8 | W | 9 | | | .01 | 7 | Cu St | ? | Clear | 6 | 7 | 6 | LCS | 4 |
| 5 | 74.0 | 29.254 | .172 | 29.082 | 30.02 | 44.0 | 42.2 | 40 | 87 | .247 | 47.7 | 43.5 | SE | 14 | | | .02 | 10 | St | SW | Lt Rain | 5 | 6 | 6 | REL | 5 |
| 6 | 72.0 | 28.708 | .165 | 28.543 | 29.45 | 51.2 | 50.0 | 49 | 92 | .347 | 54.5 | 50.2 | S | 13 | | | 0.56 | 3 7 | St St Cu | S S | Lt Rain | 6 | 6 | 6 | LCS | 6 |
| 7 | 77.0 | 28.936 | .179 | 28.757 | 29.70 | 32.1 | 32.0 | 32 | 99 | .180 | 39.7 | 32.1 | W | 14 | | | .02 | 10 | St | W | Light Snow | 4 | 6 | 6 | BBW | 7 |
| 8 | 72.5 | 29.206 | .168 | 29.038 | 29.99 | 35.3 | 32.8 | 29 | 77 | .157 | 36.0 | 33.2 | NW | 3 | | | 0 | 3 4 | Ci Cu St | W W | Part Cloudy | 6 | 7 | 6 | LCS | 8 |
| 9 | 65.0 | 29.038 | .147 | 28.891 | 29.82 | 40.4 | 38.9 | 37 | 88 | .219 | 50.8 | 39.0 | NE | 9 | | | T | 10 | St Cu | SW | Cloudy | 6 | 6 | 6 | RBW | 9 |
| 10 | 75.0 | 29.126 | .175 | 28.951 | 29.88 | 42.7 | 40.8 | 39 | 86 | .237 | 61.0 | 41.5 | E | 8 | | | T | 10 | St | E | Cloudy | 5 | 6 | 6 | REL | 10 |
| 11 | 72.0 | 29.087 | .166 | 28.921 | 29.85 | 40.7 | 39.2 | 38 | 88 | .228 | 62.5 | 40.7 | NW | 13 | | | T | 10 | St Cu | NW | Lt. Rain | 6 | 7 | 6 | LCS | 11 |
| 12 | 71.0 | 29.430 | .165 | 29.265 | 30.22 | 37.0 | 33.8 | 29 | 72 | .157 | 44.0 | 34.2 | SW | 6 | | | 0 | 0 | — | — | Clear | 6 | 8 | 7 | REL | 12 |
| 13 | 71.0 | 29.473 | .165 | 29.308 | 30.25 | 44.5 | 37.5 | 28 | 52 | .150 | 54.0 | 42.3 | S | 10 | | | 0 | 4 3 | Ci St Ac Cu | W W | Part Cloudy | 7 | 7 | 7 | LCS | 13 |
| 14 | 75.0 | 29.276 | .175 | 29.101 | 30.03 | 49.7 | 44.7 | 40 | 68 | .247 | 58.9 | 49.7 | N | 9 | | | ~~0~~ T | 10 | As St | S | Cloudy | 6 | 5 | 5 | REL | 14 |
| 15 | 69.0 | 29.274 | .159 | 29.115 | 30.06 | 40.2 | 39.1 | 38 | 91 | .228 | 46.3 | 39.5 | NE | 14 | | | 0.12 | 10 | St | NE | Cloudy | 6 | 6 | 7 | REL | 15 |
| 16 | 74.0 | 29.113 | .171 | 28.942 | 29.87 | 44.0 | 43.5 | 43 | 96 | .277 | 44.2 | 41.5 | NE | 12 | | | 0.19 | 10 | St | NE | Misting | 6 | 5 | 6 | LCS | 16 |
| 17 | 71.0 | 28.985 | .163 | 28.822 | 29.74 | 50.3 | 49.8 | 49 | 96 | .347 | 51.5 | 48.5 | NW | 9 | | | 0.11 | 10 | St | NW | Cloudy | 5 | 5 | 7 | REL | 17 |
| 18 | 70.5 | 29.036 | .162 | 28.874 | 29.80 | 45.5 | 44.9 | 44 | 95 | .287 | 47.0 | 42.6 | NE | 9 | | | T | 10 | St | NE | Misting | 5 | 6 | 7 | LCS | 18 |
| 19 | 71.5 | 29.304 | .165 | 29.139 | 30.07 | 47.6 | 47.0 | 46 | 95 | .310 | 49.7 | 46.5 | N | 7 | | | .01 | 10 | St Fog | N | Misting | 4 | 6 | 6 | REL | 19 |
| 20 | 67.5 | 29.428 | .156 | 29.272 | 30.21 | 49.7 | 47.0 | 44 | 82 | .287 | 52.6 | 48.1 | NE | 11 | | | T | 2 2 4 | As St As Cu Cu | W W NE | Cloudy | 6 | 7 | 6 | LCS | 20 |
| 21 | 70.0 | 29.422 | .162 | 29.260 | 30.20 | 47.0 | 40.8 | 33 | 59 | .187 | 52.6 | 42.5 | NE | 7 | | | 0 | 0 | — | — | Clear | 6 | 7 | 7 | REL | 21 |
| 22 | 69.5 | 29.518 | .161 | 29.357 | 30.30 | 35.8 | 30.0 | 20 | 49 | .103 | 60.0 | 35.5 | NE | 21 | | | 0 | Few | As St | ? | Clear | 7 | 8 | 7 | LCS | 22 |
| 23 | 69.0 | 29.484 | .160 | 29.324 | 30.27 | 35.4 | 31.0 | 24 | 61 | .124 | 45.2 | 32.0 | E | 7 | | | 0 | Few | Ci St | ? | Clear | 6 | 7 | 7 | REL | 23 |
| 24 | 74.5 | 29.137 | .173 | 28.964 | 29.89 | 44.6 | 38.0 | 29 | 54 | .157 | 54.8 | 39.5 | SW | 8 | | | 0 | Few | As St | S | Clear | 6 | 6 | 6 | REL | 24 |
| 25 | 73.0 | 28.868 | .167 | 28.701 | 29.61 | 49.5 | 45.0 | 40 | 71 | .247 | 59.5 | 46.2 | NW | 8 | | | 0 | 3 2 3 | Ci St Ci Cu As Cu | W W W | Cloudy | 6 | 7 | 7 | LCS | 25 |
| 26 | 70.0 | 29.147 | .161 | 28.986 | 29.93 | 34.7 | 29.4 | 20 | 52 | .103 | 42.7 | 32.4 | NW | 5 | | | 0 | 6 | As Cu | NW | Part Cloudy | 7 | 7 | 7 | REL | 26 |
| 27 | 69.0 | 29.246 | .159 | 29.087 | 30.03 | 37.8 | 32.3 | 24 | 55 | .124 | 41.1 | 33.5 | W | 9 | | | 0 | 0 | — | — | Clear | 7 | 8 | 6 | LCS | 27 |
| 28 | 69.5 | 29.088 | .159 | 28.929 | 29.86 | 46.8 | 40.7 | 33 | 59 | .187 | 51.9 | 41.9 | S | 14 | | | 0 | 3 | Ci St | NW | Clear | 6 | 6 | 6 | REL | 28 |
| 29 | 72.0 | 29.236 | .167 | 29.069 | 29.99 | 60.3 | 51.5 | 44 | 54 | .287 | 69.1 | 56.7 | W | 7 | | | 0 | 3 4 | Ci Ci St | W W | Part Cloudy | 6 | 7 | 7 | LCS | 29 |
| 30 | 72.5 | 29.126 | .168 | 28.958 | 29.88 | 61.1 | 57.3 | 54 | 80 | .417 | 72.9 | 61.1 | S | 18 | | | .02 | 2 8 | St Cu St | SW SW | Light Rain | 6 | 6 | 7 | RBW | 30 |
| 31 | | | | | | | | | | | | | | | | | | | | | | | | | | 31 |
| Sums | | (a) | (a) | 869.803 | 897.77 | 1312.4 | 1219.4 | 1100 | 2324 | 6.784 | (a) | (a) | (a) | 303 | | | 1.63 | 206 | (a) | (a) | (a) | (a) | (a) | (a) | (a) | |
| Means | | (a) | (a) | 28.993 | 29.926 | 43.7 | 40.6 | 36.7 | 77.5 | 226 | (a) | (a) | (c) NE | 10.1 | | | (a) | 6.9 | U As St L St | U W L SW | (a) | (a) | (a) | (a) | (a) | |

Ø Rain began after reading

8—154 Reference letters in this form refer to paragraph 121, "Instructions for Preparing Meteorological Forms."

† By dial when self-register is out of order.
†† T indicates trace of precipitation.

Wind data corrected to true velocity.

U, upper clouds. L, lower clouds.

Use visibility scale in "Instructions for Preparing Meteorological Forms."

# ORIGINAL MONTHLY RECORD OF OBSERVATIONS at Fort Wayne, Ind., for the Month of APR 1933, 193

Number of Station barometer, 656; sum of corrections, -.052 inch.

OBSERVATIONS AT 8 P. M. 75TH MERIDIAN TIME, WHICH CORRESPONDS TO 7.00 P. M. 90 MERIDIAN TIME, THE STANDARD OF TIME IN LOCAL USE; 7.19 P. M. LOCAL MEAN TIME.

| Date. | Barometer. Attached thermometer. | Barometer. Observed reading. | Barometer. Total correction. | Barometer. Station. (Observed reading plus total cor.) (b) | Barometer. Reduced to sea-level. (b) | Thermometers. Dry. (b) | Thermometers. Wet. (b) | Dew-point. (b) | Relative humidity. (b) | Vapor pressure. (b) | Self-Reg. Ther's. Max. (b) | Self-Reg. Ther's. Min. (b) | Wind. Dir. | Wind. Velocity. (b) † | Wind. Max. during preceding 12 hours. | Wind. Dir. | Precipitation. Amt. at 8 p. m. (b) †† | Clouds. Amt. | Clouds. Kind. | Clouds. Dir. from. | State of Weather. | Fog, Mid. to Mid. (Local standard time.) Light (f). Began. | Light (f). Ended. | Dense (f). Began. | Dense (f). Ended. | Initials of observer. | Date. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | In. | | In. | In. | ° | ° | ° | % | In. | ° | ° | | Mi. | Mi. | | In. | | | | | | | | | | |
| 1 | 68.0 | 29.066 | .155 | 28.911 | 29.84 | 44.0 | 43.1 | 42 | 94 | .266 | 45.0 | 40.1 | W | 8 | | | .01 | 10 | St Cu | NW | Cloudy | | | | | REL | 1 |
| 2 | 70.0 | 28.963 | .161 | 28.802 | 29.72 | 46.1 | 42.0 | 37 | 71 | .219 | 52.9 | 43.0 | W | 12 | | | .03 | 5 / 5 | Ast / Cu | W / W | Cloudy | DNA | 7.55A | | | REL | 2 |
| 3 | 70.0 | 28.927 | .161 | 28.766 | 29.70 | 42.0 | 37.8 | 33 | 68 | .187 | 49.4 | 41.3 | NW | 11 | | | T | 2 / 8 | Ac Cu / St Cu | W / NW | Cloudy | | | | | LCS | 3 |
| 4 | 71.5 | 29.232 | .165 | 29.067 | 30.01 | 47.7 | 41.6 | 34 | 59 | .195 | 48.9 | 36.5 | E | 5 | | | 0 | 10 | Ast | ? | Cloudy | | | | | REL | 4 |
| 5 | 75.5 | 29.002 | .175 | 28.827 | 29.75 | 54.5 | 49.5 | 45 | 70 | .298 | 58.3 | 43.8 | E | 14 | | | 0.14 | 10 | St | E | Light Rain | | | | | LCS | 5 |
| 6 | 73.0 | 28.882 | .168 | 28.714 | 29.63 | 39.7 | 38.2 | 37 | 88 | .219 | 53.7 | 39.7 | W | 10 | | | .04 | 10 | St Cu | W | Light Rain | | | | | REL | 6 |
| 7 | 70.0 | 29.100 | .161 | 28.939 | 29.89 | 36.0 | 33.8 | 31 | 80 | .172 | 36.3 | 31.9 | NW | 9 | | | T | 10 | St Cu | NW | Cloudy | | | | | LCS | 7 |
| 8 | 70.0 | 29.071 | .161 | 28.910 | 29.84 | 50.8 | 46.1 | 41 | 71 | .256 | 54.0 | 35.3 | E | 9 | | | 0 | 10 | St Cu | W | Cloudy | | | | | RBW | 8 |
| 9 | 69.5 | 29.055 | .159 | 28.896 | 29.83 | 61.0 | 55.0 | 51 | 68 | .373 | 71.7 | 40.4 | E | 8 | | | T | 9 / 3 / 4 | St Cu / Ast / Cu | SW / W / S | Sprinkling | | | | | RBW | 9 |
| 10 | 74.0 | 29.012 | .171 | 28.841 | 29.75 | 62.5 | 56.0 | 52 | 66 | .387 | 73.9 | 42.7 | S | 10 | | | 0.23 | 3 | Cu Nb | S | Cloudy Rx | | | | | LCS | 10 |
| 11 | 75.0 | 29.250 | .175 | 29.075 | 30.02 | 44.0 | 37.8 | 30 | 56 | .164 | 48.6 | 38.9 | NW | 6 | | | 0.13 | 7 | St Cu | NW | Part Cloudy | | | | | REL | 11 |
| 12 | 71.0 | 29.382 | .165 | 29.217 | 30.15 | 54.0 | 43.0 | 29 | 38 | .157 | 57.5 | 37.0 | S | 9 | | | 0 | 1 | Ast | ? | Clear | | | | | LCS | 12 |
| 13 | 71.0 | 29.316 | .164 | 29.152 | 30.08 | 58.9 | 48.0 | 37 | 43 | .219 | 61.8 | 44.5 | S | 7 | | | 0 | 10 | Ast | ? | Cloudy | | | | | REL | 13 |
| 14 | 72.5 | 29.262 | .168 | 29.094 | 30.02 | 46.3 | 46.0 | 46 | 98 | .310 | 53.4 | 46.3 | NW | 8 | | | 0.10 | 10 | St | NW | Light Rain | 9.35A | 11:10A | | | LCS | 14 |
| 15 | 72.0 | 29.185 | .167 | 29.018 | 29.96 | 44.2 | 42.2 | 40 | 85 | .247 | 44.5 | 40.2 | NE | 12 | | | T | 10 | St Cu | NE | Cloudy | | | | | LCS | 15 |
| 16 | 70.0 | 29.090 | .161 | 28.929 | 29.86 | 51.3 | 50.7 | 50 | 96 | .360 | 51.3 | 44.0 | NE | 3 | | | 0.19 | 10 | St | NE | Cloudy | | | | | LCS | 16 |
| 17 | 70.0 | 28.975 | .161 | 28.814 | 29.73 | 47.0 | 44.0 | 41 | 79 | .256 | 51.2 | 46.6 | SE | 6 | | | 0.16 | 10 | St Cu | SE | Cloudy | | | | | LCS | 17 |
| 18 | 72.5 | 29.165 | .168 | 28.997 | 29.93 | 49.7 | 46.8 | 44 | 81 | .287 | 52.0 | 45.5 | NE | 9 | | | 0.01 | 9 | St Cu | NE | Cloudy | | | | | REL | 18 |
| 19 | 69.5 | 29.354 | .160 | 29.194 | 30.12 | 52.6 | 51.0 | 49 | 90 | .347 | 55.3 | 47.6 | NE | 10 | | | T | 10 | St | NE | Misting | DNA | 9.40A | | | LCS | 19 |
| 20 | 72.0 | 29.422 | .168 | 29.254 | 30.18 | 52.6 | 48.1 | 44 | 73 | .287 | 58.8 | 49.5 | NE | 10 | | | 0 | 0 | — | — | Clear | | | | | REL | 20 |
| 21 | 72.5 | 29.342 | .168 | 29.174 | 30.10 | 60.0 | 48.1 | 35 | 40 | .203 | 66.2 | 47.0 | E | 6 | | | 0 | 1 / 1 | Ast / Cu | ? / E | Clear | | | | | LCS | 21 |
| 22 | 71.0 | 29.506 | .165 | 29.341 | 30.29 | 45.2 | 37.1 | 26 | 45 | .136 | 49.0 | 35.8 | NE | 9 | | | 0 | 0 | — | — | Clear | | | | | REL | 22 |
| 23 | 74.0 | 29.254 | .172 | 29.082 | 30.02 | 54.8 | 42.3 | 26 | 32 | .136 | 57.6 | 35.4 | W | 7 | | | 0 | 0 | — | — | Clear | | | | | REL | 23 |
| 24 | 74.0 | 28.912 | .171 | 28.741 | 29.66 | 59.5 | 47.0 | 33 | 36 | .187 | 64.1 | 44.6 | W | 8 | | | 0 | 3 / 3 / 1 | Ci St / Ci Cu / St | W / W / W | Part Cloudy | | | | | LCS | 24 |
| 25 | 74.0 | 28.962 | .171 | 28.791 | 29.71 | 42.7 | 38.2 | 33 | 67 | .187 | 55.0 | 42.7 | NW | 15 | | | 0.18 | 1 | St Cu | NW | Clear | | | | | REL | 25 |
| 26 | 72.0 | 29.180 | .167 | 29.013 | 29.95 | 41.1 | 33.0 | 20 | 39 | .103 | 45.5 | 34.7 | NW | 11 | | | 0 | 0 | — | — | Clear | | | | | LCS | 26 |
| 27 | 71.5 | 29.156 | .165 | 28.991 | 29.93 | 51.9 | 41.4 | 28 | 39 | .150 | 54.8 | 37.8 | W | 5 | | | 0 | 1 / 1 / 1 | Ci / Ci St / Ac Cu | W / W / W | Clear | | | | | REL | 27 |
| 28 | 74.5 | 29.036 | .172 | 28.864 | 29.78 | 69.1 | 56.0 | 46 | 44 | .310 | 74.0 | 46.8 | SW | 9 | | | 0 | 2 / 2 / 1 | Cu / Ci St / Ac Cu | SW / W / W | Part Cloudy | | | | | LCS | 28 |
| 29 | 76.5 | 29.169 | .178 | 28.991 | 29.91 | 72.9 | 60.0 | 51 | 46 | .373 | 78.9 | 60.3 | SE | 9 | | | 0 | 1 / 1 | Ac Cu / St Cu | W / W | Cloudy | | | | | BBW | 29 |
| 30 | 74.5 | 28.922 | .172 | 28.750 | 29.65 | 75.3 | 63.0 | 56 | 51 | .448 | 77.5 | 60.0 | S | 18 | | | .03 | 3 / ? | St / St Cu | SW / SW | Cloudy | | | | | BBW | 30 |
| 31 | | | | | | | | | | | | | | | | | | | | | | | | | | | 31 |
| Sums | | (a) | (a) | 869.155 | 897.01 | 1557.4 | 1366.8 | 1167 | 1913 | 7.439 | (a) | (a) | (a) | 273 | | | 1.25 | 211 | (a) | (a) | (a) | (a) | (a) | (a) | (a) | (a) | |
| Means | | (a) | (a) | 28.972 | 29.900 | 51.9 | 45.6 | 38.9 | 63.8 | .248 | (a) | (a) | (c) NE W NW | 9.1 | | | (a) | 7.0 | U Ast L St Cu | U W L NW | (a) | (a) | (a) | (a) | (a) | (a) | |

Observations are begun about 7.40 o'clock, 75th meridian time.

† By dial when self-register is out of order.

†† T indicates trace of precipitation.

Wind data corrected to true velocity.

U, upper clouds. L, lower clouds.

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# ORIGINAL MONTHLY RECORD OF OBSERVATIONS at Fort Wayne, Ind., for the Month of APR 1933, 193

| DATE. | TEMPERATURE. Maximum. (b) | Minimum (b) | Range. (b) | Change. (b) | Mean (max. and min.). (b) | Normal. | Departure. | Total excess or deficiency since 1st of month. | PRECIPITATION. Character. ‡ | Beginning. | Ending. | Character ‡ | Beginning. | Ending. | Character. ‡ | Beginning. | Ending. | Character. ‡ | Beginning. | Total (mid. to mid.) (b)†† | ~~Total (mid. to mid.)~~ Normal. (b)†† | Normal. | Departure. | Total excess or deficiency since 1st of month. | Hail and sleet unmelted. 7p. m. to 7p. m. *‡‡ | Snow unmelted. 7p.m. to 7p. m. *‡‡ | Hail, sleet, and snow on ground at 7p. m. *‡‡ | Amount of precipitation from melted snow (mid. to mid.). | DATE. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | ° | ° | ° | ° | (58)° | | | | | | | | | | | | | | | In. | In. | | | -0.39 | In. | In. | In. | In. | |
| Saturday 1 | 56 | 40 | 16 | 8 | 48 | | | | | | | | | | | | | | | 0.32 | .11 | | +.21 | +.21 | 0 | 0 | 0 | 0 | 1 |
| 2 | 53 | 42 | 11 | 0 | 48 | | | | | | | | | | | | | | | 0.10 | .11 | | -.01 | +.20 | 0 | ~ | 0 | 0 | 2 |
| 3 | 49 | 39 | 10 | 4 | 44 | | | | | | | | | | | | | | | T | .10 | | -.10 | +.10 | 0 | T | 0 | T | 3 |
| 4 | 49 | 36 | 13 | 2 | 42 | | | | | | | | | | | | | | | .01 | .10 | | -.09 | +.01 | 0 | 0 | 0 | 0 | 4 |
| 5 | 58 | 44 | 14 | 9 | 51 | | | | | | | | | | | | | | | 0.31 | .10 | | +.21 | +.22 | 0 | 0 | 0 | 0 | 5 |
| 6 | 54 | 36 | 18 | 6 | 45 | | | | | | | | | | | | | | | 0.45 | .10 | | +.35 | +.57 | 0 | 0 | 0 | 0 | 6 |
| 7 | 36 | 32 | 4 | 11 | 34 | | | | | | | | | | | | | | | 0.02 | .10 | | -.08 | +.49 | 0 | 0.1 | 0 | .02 | 7 |
| 8 | 54 | 33 | 21 | 10 | 44 | | | | | | | | | | | | | | | 0 | .11 | | -.11 | +.38 | 0 | 0 | 0 | 0 | 8 |
| 9 | 72 | 39 | 33 | 12 | 56 | | | | | | | | | | | | | | | T | .10 | | -.10 | +.28 | 0 | 0 | 0 | 0 | 9 |
| 10 | 74 | 42 | 32 | 2 | 58 | | | | | | | | | | | | | | | .23 | .10 | | +.13 | +.41 | 0.1 | 0 | 0 | 0 | 10 |
| 11 | 58 | 39 | 19 | 10 | 48 | | | | | | | | | | | | | | | .13 | .10 | | +.03 | +.44 | 0 | 0 | 0 | 0 | 11 |
| 12 | 58 | 34 | 24 | 2 | 46 | | | | | | | | | | | | | | | 0 | .10 | | -.10 | +.34 | 0 | 0 | 0 | 0 | 12 |
| 13 | 62 | 42 | 20 | 6 | 52 | | | | | | | | | | | | | | | 0 | .09 | | -.09 | +.25 | 0 | 0 | 0 | 0 | 13 |
| 14 | 54 | 43 | 11 | 4 | 48 | | | | | | | | | | | | | | | .22 | .09 | | +.13 | +.38 | 0 | 0 | 0 | 0 | 14 |
| 15 | 44 | 40 | 4 | 6 | 42 | | | | | | | | | | | | | | | .01 | .10 | | -.09 | +.29 | 0 | T | 0 | T | 15 |
| 16 | 52 | 42 | 10 | 5 | 47 | | | | | | | | | | | | | | | .37 | .11 | | +.26 | +.55 | 0 | 0 | 0 | 0 | 16 |
| 17 | 51 | 43 | 8 | 0 | 47 | | | | | | | | | | | | | | | .27 | .10 | | +.17 | +.72 | 0 | 0 | 0 | 0 | 17 |
| 18 | 52 | 43 | 9 | 1 | 48 | | | | | | | | | | | | | | | .01 | .10 | | -.09 | +.63 | 0 | 0 | 0 | 0 | 18 |
| 19 | 55 | 46 | 9 | 2 | 50 | | | | | | | | | | | | | | | .01 | .11 | | -.10 | +.53 | 0 | 0 | 0 | 0 | 19 |
| 20 | 59 | 46 | 13 | 2 | 52 | | | | | | | | | | | | | | | 0 | .11 | | -.11 | +.42 | 0 | 0 | 0 | 0 | 20 |
| 21 | 66 | 42 | 24 | 2 | 54 | | | | | | | | | | | | | | | 0 | .10 | | -.10 | +.32 | 0 | 0 | 0 | 0 | 21 |
| 22 | 49 | 36 | 13 | 12 | 42 | | | | | | | | | | | | | | | 0 | .10 | | -.10 | +.22 | 0 | 0 | 0 | 0 | 22 |
| 23 | 58 | 32 | 26 | 3 | 45 | | | | | | | | | | | | | | | 0 | .10 | | -.10 | +.12 | 0 | 0 | 0 | 0 | 23 |
| 24 | 64 | 40 | 24 | 7 | 52 | | | | | | | | | | | | | | | 0 | .10 | | -.10 | +.02 | 0 | 0 | 0 | 0 | 24 |
| 25 | 55 | 36 | 19 | 6 | 46 | | | | | | | | | | | | | | | .18 | .10 | | +.08 | +.10 | 0 | 0 | 0 | 0 | 25 |
| 26 | 46 | 32 | 14 | 7 | 39 | | | | | | | | | | | | | | | 0 | .11 | | -.11 | -.01 | 0 | 0 | 0 | 0 | 26 |
| 27 | 55 | 34 | 21 | 5 | 44 | | | | | | | | | | | | | | | 0 | .11 | | -.11 | -.12 | 0 | 0 | 0 | 0 | 27 |
| 28 | 74 | 42 | 32 | 14 | 58 | | | | | | | | | | | | | | | 0 | .11 | | -.11 | -.23 | 0 | 0 | 0 | 0 | 28 |
| 29 | 79 | 57 | 22 | 10 | 68 | | | | | | | | | | | | | | | 0 | .10 | | -.10 | -.33 | 0 | 0 | 0 | 0 | 29 |
| 30 | 78 | 58 | 20 | 0 | 68 | | | | | | | | | | | | | | | 0.33 | .10 | | +.23 | -.10 | 0 | 0 | 0 | 0 | 30 |
| 31 | | | | | | | | | | | | | | | | | | | | | — | | | | | | | | 31 |
| S | 1724 | 1210 | 514 | 168 | 1466 | | Total excess or deficiency since Jan. 1, | (a) | (a) | (a) | (a) | (a) | (a) | (a) | (a) | (a) | (a) | (a) | (a) | ~~2.97~~ | 3.07 | | Total excess or deficiency since Jan. 1, | 0.1 | 0.1 | (a) | (a) | (a) | |
| M | 57.5 | 40.3 | 17.1 | 5.6 | (a) | (a) | 490 | (a) | (a) | (a) | (a) | (a) | (a) | (a) | (a) | (a) | (a) | (a) | (a) | 2.97 (a) | (a) | (a) | - 0.49 | (a) | (a) | (a) | (a) | (a) | |

All data are in the standard of time in local use. ‡ Use the following abbreviations: R—rain, $S^d$—dry snow, $S^m$—moist snow, H—hail, Sl—sleet. †† T indicates trace of precipitation. ‡‡ Enter the local standard time of observation. * Inches and tenths



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# SUMMARY FOR THE MONTH OF APR 1933, 193

The 8 a. m. and 8 p. m. means of pressure, dry and wet thermometers, dew-point, humidity, vapor pressure, and mean cloudiness are in 75th meridian time. All other data are in the standard of time in local use.

## PRESSURE.

(Correction to reduce to a 24-hour mean -.005)

### STATION.

| Mean. 8 a. m. | Mean. 8 p. m. | Mean. Monthly. (g) | Highest. (h) | Date. | Lowest. (h) | Date. | Absolute range. |
|---|---|---|---|---|---|---|---|
| 28.993 | 28.972 | 28.982 | 29.370 | 22 | 28.490 | 6 | 0.880 |
| Corrected mean.... | | 28.977 | | | | | |

### REDUCED.

| Mean. 8 a. m. | Mean. 8 p. m. | Mean. Monthly. (g) | Highest. (h) | Date. | Lowest. (h) | Date. | Absolute range. |
|---|---|---|---|---|---|---|---|
| 29.926 | 29.900 | 29.913 | 30.32 | 22 | 29.40 | 6 | 0.92 |
| Corrected mean.... | | 29.908 | | | | | |

## TEMPERATURE.

### MEAN.

| Dry. 8 a. m. | Dry. 8 p. m. | Dry. (8+8)÷2 (g) | Wet. 8 a. m. | Wet. 8 p. m. | Wet. Monthly. (g) | Max. | Min. | Monthly. (g) |
|---|---|---|---|---|---|---|---|---|
| 43.7 | 51.9 | 47.8 | 40.6 | 45.6 | 43.1 | 57.5 | 40.3 | 48.9 |

| Highest. (i) | Date. (i) | Lowest. (i) | Date. (i) | Absolute range. | Greatest daily range. (i) | Date. (i) | Least daily range. (i) | Date. (i) |
|---|---|---|---|---|---|---|---|---|
| 79 | 29 | 32 | 7 | 47 | 33 | 9 | 4 | 7 |

| Dew-point. 8 a. m. | Dew-point. 8 p. m. | Dew-point. Monthly. (g) | Relative Humidity. 8 a. m. | Relative Humidity. 8 p. m. | Relative Humidity. Monthly. (g) | Vapor Pressure. 8 a. m. | Vapor Pressure. 8 p. m. | Vapor Pressure. Monthly. (g) |
|---|---|---|---|---|---|---|---|---|
| 36.7 | 38.9 | 37.8 | 77.5 | 63.8 | 70.6 | .226 | .248 | .237 |

| Number of days with—(j) Maximum. 32° or below. | Maximum. 90° or above. | Minimum. 32° or below. | Minimum. Zero or below. |
|---|---|---|---|
| 0 | 0 | 2 | 0 |

**CLOUDS.**

Most frequent clouds: Strato-Cumulus

Most frequent direction upper clouds: West

Most frequent direction lower clouds: SW & NE

## WIND.

(Wind data corrected to true velocity.)

| Total movement (mid. to mid.). | Average hourly velocity. | Prevailing direction. (p) | Maximum velocity. (r) | Direction. (r) | Date. (r) |
|---|---|---|---|---|---|
| 7358 | 10.2 | NE | 30 | S | 30 |

| Number of Times Wind Observed from the— N. | NE. | E. | SE. | S. | SW. | W. | NW. | Calm. |
|---|---|---|---|---|---|---|---|---|
| 2 | 13 | 7 | 3 | 8 | 4 | 11 | 12 | 0 |

## WEATHER.

| Mean Cloudiness. 8 a. m. | 8 p. m. | Monthly. (t) | Sunshine. Percentage of possible. | Number of Days. Clear. | Partly cloudy. | Cloudy. |
|---|---|---|---|---|---|---|
| 6.9 | 7.0 | 7.0 | 49 | 5 | 8 | 17 |

| Number of Days with Precipitation (Mid. to Mid.). Clear. (u) | Partly cloudy. (u) | Cloudy. (u) |
|---|---|---|
| 0 | 1 | 15 |

## MISCELLANEOUS PHENOMENA.

DATES OF—(MIDNIGHT TO MIDNIGHT).

| Frosts. Light. | Heavy. | Killing. | Thunderstorms. (v) | Winds. (32 miles or over.) | Solar Halos. | Lunar Halos. | Fog. Light. | Fog. Dense. | Haze. Light. | Haze. Dense. | Smoke. Light. | Smoke. Dense. | Hail. | Aurora. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 4,8,28 | 12,23,24,26,27 | 0 * | 10,30 | None | 28<br>4,8,24,27 | — | 2,14,19 | — | 9,10 | — | — | — | 10 | 0 |

* 4 freezing temperature on 7 & 23 but no damage to vegetation (Nothing out there)

## PRECIPITATION (in inches and hundredths). (m)

| Total amount | Greatest amount in 24 consecutive hours. Amt. | Date. (k) | Excessive. 2.50 inches in 24 hours. (l) * Amt. | Duration. h. m. | Date. (k) | 1 inch per hour. (l) Amt. | Duration. h. m. | Date. (k) |
|---|---|---|---|---|---|---|---|---|
| 2.97 | ~~1.22~~ ~~1.19~~ 0.97 | ~~Apr 30~~ ~~May 1~~ Apr 30 | — | — | — | — | — | — |

| Number of days with—(Mid. to Mid.). Trace. | .01 or more. | .04 or more. | .25 or more. | 1.00 or more. | Total. | Snow. Trace or more. | Snow. .01 or more melted. | Snow. Total Depth. (o) | Snow. Average Depth at End of Month. |
|---|---|---|---|---|---|---|---|---|---|
| 2 | 16 | 11 | 6 | 0 | 18 | 3 | 1 | 0.1 | 0 |

(w) Maximum precipitation in 5 minutes 0.16, date 10; 10 minutes 0.21, date 10; 15 minutes 0.21, date 10;

30 minutes 0.21, date 10; 1 hour ~~0.28~~ 0.67, date 30 & May 1; 2 hours ~~0.28~~ 0.86, date Apr 30 & May 1

## EXCESSIVE.

| Date. | Total Duration. From— | To— | Total amount of precipitation. | Excessive Rate. Began— | Ended— | Amt. before excessive began. | Accumulated Depths During Excessive Rate for Consecutive Periods of Time Indicated Below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | None | | | | | | | | | | None | | | | | | | | |

* The duration is the time precipitation was actually recorded.

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Prepared by Lloyd C. Skinner

B B Whittier, Meteorologist, Weather Bureau.

ORIGINAL MONTHLY RECORD OF OBSERVATIONS at Fort Wayne, Ind., for the Month of APR 1933, 193

Number of Station barometer, ____; sum of corrections, ____ inch.

SPECIAL OBSERVATIONS.

| Date. | Time. 75th mer. | Time. Local (standard). | Barometer. Attached thermometer | Barometer. Observed reading. | Barometer. Total correction. | Barometer. Station. (Observed reading plus total cor.) | Barometer. Reduced to sea-level. | Thermometers. Dry. | Thermometers. Wet. | Dew-point. | Depression of the dew-point. | Relative humidity. | Maximum thermometer. | Wind. Direction. | Wind. Velocity. † | Wind. Max. since last observation. | Wind. Direction. | Precipitation. †† | Clouds. Amt. | Clouds. Kind. | Clouds. Dir. from. | State of Weather. | Special Phenomena. | Initials of Observer. | Date. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | |

**ORIGINAL MONTHLY RECORD OF OBSERVATIONS** at *Fort Wayne, Ind.*, for the Month of APR 1933, 193

*Wind—Number of Miles and Length of Time From.* (*Standard of time in local use,* ____ *meridian.*)

| DATE. | N. | | NE. | | E. | | SE. | | S. | | SW. | | W. | | NW. | | CALM. | | TOTAL. | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Miles. | Hours. | Miles. | Hours. | Miles. | Hours. | Miles. | Hours. | Miles. | Hours. | Miles. | Hours. | Miles. | Hours. | Miles. | Hours. | Miles. | Hours. | Miles. | Hours. |
| 1 | | | | | | | 10 | 1 | 20 | 2 | 20 | 3 | 232 | 18 | | | | | 282 | 24 |
| 2 | | | | | | | | | | | 49 | 7 | 243 | 17 | | | | | 292 | 24 |
| 3 | | | | | | | | | | | 64 | 8 | 126 | 11 | 60 | 5 | | | 250 | 24 |
| 4 | | | | | 48 | 6 | 6 | 1 | | | 37 | 5 | 53 | 6 | 39 | 6 | | | 183 | 24 |
| 5 | | | | | 98 | 9 | 165 | 14 | 11 | 1 | | | | | | | | | 274 | 24 |
| 6 | | | | | | | 68 | 5 | 51 | 4 | 56 | 4 | 177 | 11 | | | | | 352 | 24 |
| 7 | | | | | | | | | | | 12 | 1 | 232 | 16 | 53 | 7 | | | 297 | 24 |
| 8 | | | 7 | 1 | 62 | 7 | 34 | 5 | 19 | 3 | | | | | 32 | 8 | | | 154 | 24 |
| 9 | | | 72 | 8 | 84 | 10 | 23 | 3 | 25 | 3 | | | | | | | | | 204 | 24 |
| 10 | | | 18 | 2 | 56 | 7 | 63 | 7 | 59 | 6 | | | 19 | 2 | | | | | 215 | 24 |
| 11 | | | | | | | 5 | 1 | 9 | 1 | 9 | 1 | 35 | 3 | 211 | 18 | | | 269 | 24 |
| 12 | | | | | | | | | 75 | 7 | 210 | 17 | | | | | | | 285 | 24 |
| 13 | | | | | | | 21 | 3 | 213 | 19 | | | 9 | 2 | | | | | 243 | 24 |
| 14 | 40 | 5 | 24 | 4 | 14 | 3 | 14 | 2 | 45 | 5 | 8 | 1 | 7 | 1 | 24 | 3 | | | 176 | 24 |
| 15 | 16 | 2 | 285 | 22 | | | | | | | | | | | | | | | 301 | 24 |
| 16 | | | 222 | 24 | | | | | | | | | | | | | | | 222 | 24 |
| 17 | 12 | 2 | 43 | 7 | 29 | 5 | 78 | 7 | | | | | | | 25 | 3 | | | 187 | 24 |
| 18 | 86 | 10 | 135 | 14 | | | | | | | | | | | | | | | 221 | 24 |
| 19 | 84 | 10 | 125 | 14 | | | | | | | | | | | | | | | 209 | 24 |
| 20 | | | 174 | 17 | 68 | 7 | | | | | | | | | | | | | 242 | 24 |
| 21 | | | 140 | 15 | 71 | 9 | | | | | | | | | | | | | 211 | 24 |
| 22 | | | 268 | 19 | 30 | 5 | | | | | | | | | | | | | 298 | 24 |
| 23 | | | 24 | 6 | 17 | 3 | 17 | 3 | 6 | 1 | 50 | 8 | 20 | 3 | | | | | 134 | 24 |
| 24 | | | | | | | | | | | 136 | 16 | 76 | 8 | | | | | 212 | 24 |
| 25 | | | | | | | | | | | 26 | 3 | 21 | 3 | 194 | 18 | | | 241 | 24 |
| 26 | 28 | 3 | | | | | | | | | 8 | 1 | | | 157 | 20 | | | 193 | 24 |
| 27 | | | | | | | 13 | 2 | 9 | 1 | 37 | 4 | 144 | 16 | 11 | 1 | | | 214 | 24 |
| 28 | | | | | | | | | 83 | 8 | 227 | 15 | 17 | 1 | | | | | 327 | 24 |
| 29 | | | | | | | 71 | 7 | 121 | 9 | 7 | 1 | 40 | 7 | | | | | 239 | 24 |
| 30 | | | | | | | 86 | 6 | 322 | 16 | | | | | 23 | 2 | | | 431 | 24 |
| 31 | | | | | | | | | | | | | | | | | | | | |
| Sum, | 266 | 32 | 1537 | 153 | 577 | 71 | 674 | 67 | 1068 | 86 | 956 | 95 | 1451 | 125 | 829 | 91 | 0 | 0 | 7358 | 720 |
| Percentage, | 4 | 5 | 21 | 21 | 8 | 10 | 9 | 9 | 14 | 12 | 13 | 13 | 20 | 17 | 11 | 13 | 0 | 0 | a | a |
| Avg. Hourly Velocity, | 8.3 | a | 10.0 | a | 8.1 | a | 10.1 | a | 12.4 | a | 10.1 | a | 11.6 | a | 9.1 | a | 0 | a | 10.2 | a |

Wind data corrected to true velocity.

# ORIGINAL MONTHLY RECORD OF OBSERVATIONS at Fort Wayne, Ind., for the Month of MAY 1933, 193

Number of Station barometer, 656; sum of corrections, -.052 inch.

OBSERVATIONS AT 8 A. M. 75TH MERIDIAN TIME, WHICH CORRESPONDS TO 7:00 A. M. 90 MERIDIAN TIME, THE STANDARD OF TIME IN LOCAL USE; 7:19 A. M. LOCAL MEAN TIME.

| Date. | Barometer. Attached thermometer. | Barometer. Observed reading. | Barometer. Total correction. | Barometer. Station. (Observed reading plus total cor.) (b) | Barometer. Reduced to sea-level. (b) | Thermometers. Dry. (b) | Thermometers. Wet. (b) | Dew-point. (b) | Relative humidity. (b) | Vapor pressure. (b) | Self-Reg. Ther's Max. (b) | Self-Reg. Ther's Min. (b) | Wind. Dir. | Wind. Velocity. (b) † | Wind. Max. during preceding 12 hours. | Wind. Dir. | Precipitation. Amt. at 8 a. m. (b) †† | Clouds. Amt. | Clouds. Kind. | Dir. from. | State of Weather. | Visibility. 8 a. m. | Visibility. Local noon. | Visibility. 8 p. m. | Initials of Observer: | Date. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | In. | | In. | In. | ° | ° | ° | % | In. | ° | ° | | Mi. | Mi. | | In. | | | | | | | | | |
| 1 | 73.0 | 29.065 | .168 | 28.897 | 29.81 | 62.2 | 59.0 | 57 | 83 | .465 | 75.3 | 57.5 | SE | 12 | | | 1.14 | 5 | a cu | W | Part Cloudy | 7 | 7 | 7 | L.C.S. | 1 |
| 2 | 73.0 | 28.811 | .167 | 28.644 | 29.54 | 59.0 | 56.9 | 56 | 88 | .448 | 74.6 | 58.0 | S | 12 | | | 0.38 | 10 | st | SW | Cloudy | 7 | 7 | 6 | R.E.L. | 2 |
| 3 | 73.5 | 29.048 | .170 | 28.878 | 29.81 | 43.2 | 42.0 | 41 | 91 | .256 | 53.0 | 42.3 | N | 9 | | | T | 10 | st | N | Misting | 5 | 5 | 6 | L.C.S. | 3 |
| 4 | 77.5 | 29.396 | .182 | 29.214 | 30.14 | 41.3 | 36.8 | 31 | 65 | .172 | 47.2 | 36.4 | NE | 9 | | | 0 | 7ew | ci | N! | Clear | 6 | 6 | 6 | R.E.L. | 4 |
| 5 | 70.5 | 29.162 | .163 | 28.999 | 29.94 | 44.0 | 41.3 | 39 | 80 | .237 | 50.2 | 43.6 | E | 14 | | | .01 | 10 | st | E | Light Rain | 6 | 5 | 6 | L.C.S. | 5 |
| 6 | 70.0 | 29.085 | .161 | 28.924 | 29.85 | 51.9 | 51.7 | 52 | 99 | .387 | 52.1 | 48.7 | E | 2 | | | .01 | 10 | D7 og | E | Foggy | 1 | 6 | 6 | R.E.L. | 6 |
| 7 | 67.0 | 29.247 | .153 | 29.094 | 30.02 | 50.2 | 47.5 | 45 | 83 | .298 | 53.8 | 48.6 | W | 4 | | | 0 | 10 | st | W | Cloudy | 5 | 6 | 6 | L.C.S. | 7 |
| 8 | 71.0 | 28.856 | .162 | 28.694 | 29.60 | 50.7 | 50.0 | 49 | 96 | .347 | 59.5 | 50.6 | NE | 9 | | | 1.06 | 10 | st | NE | Light Rain | 5 | 6 | 6 | L.C.S. | 8 |
| 9 | 69.0 | 28.860 | .157 | 28.703 | 29.62 | 46.5 | 46.0 | 46 | 96 | .310 | 47.3 | 42.2 | E | 12 | | | 0.34 | 10<br>10 | st 7 og<br>st 7 | E | Cloudy | 4 | 6 | 6 | R.E.L. | 9 |
| 10 | 68.0 | 29.193 | .156 | 29.037 | 29.97 | 45.0 | 43.8 | 43 | 91 | .277 | 55.8 | 43.7 | NE | 6 | | | T | 10 | st | NE | Cloudy | 6 | 6 | 5 | L.C.S. | 10 |
| 11 | 73.0 | 29.213 | .169 | 29.044 | 29.97 | 57.4 | 56.9 | 56 | 97 | .448 | 57.4 | 51.7 | S | 9 | | | 1.20 | 10 | st | S | Light Rain | 5 | 8 | 6 | R.E.L. | 11 |
| 12 | 75.0 | 29.156 | .175 | 28.981 | 29.89 | 66.5 | 63.2 | 62 | 84 | .555 | 69.0 | 60.5 | S | 9 | | | 0 | 5<br>2<br>2 | ci st<br>a st<br>st | W<br>W<br>W | Cloudy | 7 | 7 | 7 | L.C.S. | 12 |
| 13 | 74.0 | 29.033 | .171 | 28.862 | 29.77 | 66.7 | 64.5 | 63 | 89 | .575 | 72.3 | 63.6 | S | 12 | | | 0.33 | 1<br>2 | ci cu<br>ci st<br>a st | W<br>W<br>W | Cloudy | 6 | 6 | 7 | R.E.L. | 13 |
| 14 | 72.5 | 29.193 | .168 | 29.025 | 29.94 | 58.8 | 52.8 | 48 | 68 | .334 | 64.2 | 57.1 | NW | 7 | | | 0 | 3<br>2 | ci<br>a cu | W<br>W | P+ Cloudy | 7 | 7 | 7 | B.B.W. | 14 |
| 15 | 73.0 | 29.380 | .170 | 29.210 | 30.13 | 59.4 | 54.8 | 51 | 75 | .393 | 67.0 | 56.6 | SW | 4 | | | 0 | 4<br>6 | st cu<br>st | SW<br>SW | Cloudy | 6 | 6 | 6 | L.C.S. | 15 |
| 16 | 71.5 | 29.255 | .165 | 29.090 | 30.02 | 53.2 | 52.0 | 51 | 93 | .373 | 55.9 | 52.9 | N | 8 | | | .08 | 10 | st | N | Cloudy | 5 | 7 | 7 | B.B.W. | 16 |
| 17 | 70.5 | 29.428 | .164 | 29.264 | 30.19 | 58.1 | 52.6 | 48 | 69 | .334 | 61.2 | 50.7 | S | 6 | | | 0 | 3<br>2 | ci cu<br>ci st | S<br>S | P+ Cloudy | 7 | 8 | 8 | P.A.L. | 17 |
| 18 | 75.0 | 29.464 | .176 | 29.288 | 30.22 | 61.2 | 54.2 | 49 | 64 | .347 | 69.0 | 55.7 | S | 10 | | | 0 | 7 | Ci st | S | P+ Cloudy | 7 | 8 | 7 | P.A.L. | 18 |
| 19 | 73.0 | 29.320 | .169 | 29.151 | 30.06 | 66.8 | 60.8 | 57 | 71 | .465 | 71.6 | 61.4 | SW | 12 | | | T | 5 | ci cu | SE | P+ Cloudy | 6 | 6 | 7 | P.A.L. | 19 |
| 20 | 74.0 | 29.252 | .172 | 29.080 | 29.99 | 68.8 | 64.8 | 63 | 81 | .575 | 73.8 | 67.3 | SW | 6 | | | T | 4<br>4 | ci st<br>a st | W<br>W | Cloudy | 5 | 9 | 8 | P.A.L. | 20 |
| 21 | 75.5 | 29.364 | .176 | 29.188 | 30.11 | 59.6 | 51.1 | 44 | 56 | .287 | 74.0 | 59.6 | NE | 11 | | | 0 | 9<br>1 | a st<br>St cu | !<br>NE | Cloudy | 7 | 8 | 8 | P.E.L. | 21 |
| 22 | 76.0 | 29.422 | .178 | 29.244 | 30.16 | 60.2 | 53.1 | 47 | 63 | .322 | 71.1 | 59.4 | SE | 6 | | | 0 | 4<br>3 | ci st<br>St | S<br>SE | Cloudy | 6 | 8 | 7 | P.A.L. | 22 |
| 23 | 75.0 | 29.308 | .175 | 29.133 | 30.05 | 60.8 | 54.3 | 50 | 66 | .360 | 66.4 | 53.9 | SE | 8 | | | 0 | 0 | — | — | Clear | 6 | 7 | 7 | P.A.L. | 23 |
| 24 | 77.0 | 29.226 | .180 | 29.046 | 29.96 | 70.2 | 67.2 | 66 | 86 | .638 | 80.3 | 68.8 | SW | 7 | | | 0.20 | 3<br>2 | a cu<br>cu | W<br>W | P+ Cloudy | 6 | 6 | 7 | P.A.L. | 24 |
| 25 | 76.0 | 29.323 | .177 | 29.146 | 30.06 | 66.9 | 62.3 | 60 | 78 | .517 | 69.0 | 62.1 | W | 4 | | | T | 3 | Ci | W | Clear | 7 | 8 | 8 | P.A.L. | 25 |
| 26 | 76.0 | 29.084 | .176 | 28.908 | 29.81 | 69.0 | 65.1 | 63 | 81 | .575 | 77.2 | 68.2 | S | 8 | | | T | 4<br>5 | ci st<br>a st | S<br>S | Cloudy | 5 | 7 | 7 | P.A.L. | 26 |
| 27 | 77.0 | 29.045 | .179 | 28.866 | 29.78 | 59.9 | 57.4 | 56 | 86 | .448 | 70.0 | 57.1 | SW | 5 | | | T | 10 | a st | W | Cloudy | 5 | 7 | 8 | P.A.L. | 27 |
| 28 | 76.0 | 29.086 | .176 | 28.910 | 29.82 | 64.1 | 59.0 | 56 | 74 | .448 | 66.7 | 58.8 | S | 3 | | | 0 | 0 | — | — | Clear | 7 | 8 | 7 | L.C.S. | 28 |
| 29 | 77.0 | 29.065 | .179 | 28.886 | 29.80 | 65.9 | 62.4 | 61 | 83 | .536 | 73.7 | 63.9 | W | 16 | | | T | 7 | St cu | W | P+ Cloudy | 6 | 7 | 7 | P.A.L. | 29 |
| 30 | 74.5 | 29.078 | .172 | 28.906 | 29.82 | 61.6 | 54.6 | 50 | 64 | .360 | 66.3 | 58.5 | SW | 12 | | | 0 | 3 | St cu | SW | Clear | 7 | 8 | 8 | P.E.L. | 30 |
| 31 | 72.5 | 29.316 | .168 | 29.148 | 30.07 | 59.3 | 54.0 | 50 | 71 | .360 | 62.0 | 50.5 | NW | 7 | | | 0 | 9ew | a cu | ! | Clear | 8 | 9 | 8 | L.C.S. | 31 |
| Sums | | (a) | (a) | 899.460 | 927.92 | 1808H | 1692.1 | 1610 | 2471 | 12.427 | (a) | (a) | (a) | 259 | (a) | (a) | 4.75 | 210 | (a) | (a) | (a) | (a) | (a) | (a) | (a) | (a) |
| Means | | (a) | (a) | 29.015 | 29.933 | 58.3 | 54.6 | 51.9 | 79.7 | .401 | (a) | (a) | (c) S | 8.4 | (a) | (a) | (a) | 6.8 | U Ci st<br>L St | U W<br>L E SW | (a) | (a) | (a) | (a) | (a) | (a) |

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Reference letters in this form refer to paragraph 121, "Instructions for Preparing Meteorological Forms."

† By dial when self-register is out of order.
†† T indicates trace of precipitation.

Wind data corrected to true velocity.

U, upper clouds. L, lower clouds.

Use visibility scale in "Instructions for Preparing Meteorological Forms."

# ORIGINAL MONTHLY RECORD OF OBSERVATIONS at Fort Wayne, Ind., for the Month of MAY 1933, 193

Number of Station barometer, 656; sum of corrections, −.052 inch.

OBSERVATIONS AT 8 P. M. 75TH MERIDIAN TIME, WHICH CORRESPONDS TO 7.00 P. M. 90 MERIDIAN TIME, THE STANDARD OF TIME IN LOCAL USE; 7.19 P. M. LOCAL MEAN TIME.

| Date. | Barometer. Attached thermometer. | Barometer. Observed reading. | Barometer. Total correction. | Barometer. Station. (Observed reading plus total cor.) (b) | Barometer. Reduced to sea-level. (b) | Thermometers. Dry. (b) | Thermometers. Wet. (b) | Dew-point. (b) | Relative humidity. (b) | Vapor pressure. (b) | Self-Reg. Ther's. Max. (b) | Self-Reg. Ther's. Min. (b) | Wind. Dir. | Wind. Velocity. (b) † | Wind. Max. during preceding 12 hours. | Wind. Dir. | Precipitation. Amt. at 8 p. m. (b) †† | Clouds. Amt. | Clouds. Kind. | Clouds. Dir. from. | State of Weather. | Fog, Mid. to Mid. (Local standard time.) Light (f). Began. | Light (f). Ended. | Dense (f). Began. | Dense (f). Ended. | Initials of observer. | Date. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | In. | | In. | In. | ° | ° | ° | % | In. | ° | ° | | Mi. | Mi. | | In. | | | | | | | | | | |
| 1 | 76.5 | 28.916 | .177 | 28.739 | 29.64 | 74.6 | 65.1 | 60 | 61 | .517 | 78.8 | 62.2 | S | 9 | | | 0 | 10 | St | S | Cloudy | | | | | R.E.L. | 1 |
| 2 | 73.0 | 28.870 | .167 | 28.703 | 29.61 | 53.0 | 51.0 | 49 | 88 | .347 | 62.7 | 53.0 | W | 9 | | | .01 | 10 | St Cu | W | Cloudy | | | | | L.C.S. | 2 |
| 3 | 74.0 | 29.242 | .172 | 29.070 | 30.01 | 47.2 | 42.7 | 37 | 69 | .219 | 48.3 | 42.3 | N | 8 | | | .01 | 7 few<br>7 few | Ci<br>Cu | 9<br>NE | Clear | | | | | R.E.L. | 3 |
| 4 | 73.0 | 29.338 | .169 | 29.169 | 30.10 | 50.2 | 44.0 | 37 | 61 | .219 | 55.4 | 41.3 | E | 10 | | | 0 | 4<br>2<br>2<br>7 few | Ci St<br>St<br>Cu<br>Ci | W<br>E<br>E<br>E | Cloudy | | | | | L.C.S. | 4 |
| 5 | 76.0 | 29.002 | .176 | 28.826 | 29.75 | 52.1 | 51.0 | 50 | 93 | .360 | 52.1 | 44.0 | NE | 7 | | | 1.15 | 2<br>2 | Ci<br>St Cu | NE<br>W | Pt Cloudy | 8:10 P | D.N.P. | D.N.P. | cut'd | R.E.L. | 5 |
| 6 | 70.5 | 29.222 | .163 | 29.059 | 29.99 | 53.8 | 50.0 | 47 | 77 | .322 | 57.0 | 51.9 | W | 6 | | | T | 10 | St | W | Cloudy | 8:15 A | 10 00 A | cut'd | 8:15 A | L.C.S. | 6 |
| 7 | 74.0 | 29.048 | .171 | 28.877 | 29.80 | 59.5 | 55.1 | 52 | 76 | .387 | 62.3 | 50.2 | E | 9 | | | 0 | 10 | St | E | Cloudy | | | | | L.C.S. | 7 |
| 8 | 71.5 | 28.985 | .164 | 28.821 | 29.74 | 47.3 | 45.0 | 43 | 84 | .277 | 51.3 | 47.3 | E | 9 | | | T | 10 | St | NE | Cloudy | | | | | R.E.L. | 8 |
| 9 | 70.5 | 28.921 | .162 | 28.759 | 29.68 | 55.8 | 53.5 | 52 | 86 | .387 | 69.4 | 46.5 | NE | 12 | | | .09 | 10 | St | NE | Mist'y Rain | DNA | 8:10 A | | | L.C.S. | 9 |
| 10 | 72.0 | 29.316 | .167 | 29.149 | 30.08 | 56.0 | 51.3 | 48 | 73 | .334 | 57.8 | 45.0 | E | 5 | | | 0 | 10 | St Cu | NE | Cloudy | | | | | L.C.S. | 10 |
| 11 | 74.0 | 29.232 | .172 | 29.060 | 29.98 | 69.0 | 65.8 | 64 | 85 | .595 | 74.5 | 57.4 | E | 6 | | | T | 2<br>2<br>5 | Ci St<br>Ac Cu<br>Cu | W<br>W<br>E | Cloudy | | | | | L.C.S. | 11 |
| 12 | 75.0 | 29.102 | .174 | 28.928 | 29.84 | 72.3 | 66.3 | 63 | 73 | .575 | 75.0 | 66.5 | S | 11 | | | T | 2<br>8 | Ac Cu<br>As St | W<br>W | Cloudy | | | | | R.E.L. | 12 |
| 13 | 74.0 | 29.116 | .171 | 28.945 | 29.85 | 64.2 | 58.0 | 54 | 69 | .417 | 70.0 | 64.2 | W | 9 | | | 0.12 | 4<br>3 | Ac Cu<br>As St | W<br>W | Pt Cloudy | | | | | B.B.W. | 13 |
| 14 | 76.0 | 29.324 | .177 | 29.147 | 30.07 | 67.0 | 56.8 | 50 | 53 | .360 | 73.0 | 58.8 | W | 7 | | | 0 | 1<br>8 | Ac Cu<br>As St | W<br>W | Cloudy | | | | | B.B.W. | 14 |
| 15 | 73.0 | 29.212 | .169 | 29.043 | 29.96 | 55.9 | 55.0 | 54 | 95 | .417 | 63.0 | 55.0 | NE | 7 | | | 0.29 | 10 | St | NE | Cloudy | | | | | B.B.W. | 15 |
| 16 | 72.5 | 29.348 | .168 | 29.180 | 30.11 | 61.2 | 55.0 | 51 | 67 | .373 | 62.5 | 53.0 | NE | 4 | | | T | 1<br>1 | Ci Cu<br>Ac Cu | W<br>W | Clear | | | | | L.C.S. | 16 |
| 17 | 74.5 | 29.419 | .174 | 29.245 | 30.17 | 69.0 | 57.8 | 50 | 50 | .360 | 71.3 | 58.1 | SE | 7 | | | 0 | 7 few | Ci | P | Clear | | | | | R.E.L. | 17 |
| 18 | 76.0 | 29.347 | .177 | 29.170 | 30.09 | 71.6 | 61.8 | 56 | 57 | .448 | 75.3 | 61.2 | SE | 9 | | | T | 3 | Ac Cu | W | Clear | | | | | R.E.L. | 18 |
| 19 | 75.5 | 29.276 | .176 | 29.100 | 30.01 | 73.8 | 67.0 | 64 | 71 | .595 | 76.2 | 63.5 | W | 6 | | | 0.35 | 5 | Ci St | W | Pt Cloudy | | | | | R.E.L. | 19 |
| 20 | 77.5 | 29.251 | .181 | 29.070 | 29.98 | 74.0 | 66.0 | 62 | 66 | .555 | 79.6 | 68.8 | NW | 8 | | | 0 | 7 few | Ci St | NW | Clear | | | | | R.E.L. | 20 |
| 21 | 77.5 | 29.360 | .181 | 29.179 | 30.10 | 71.1 | 58.6 | 50 | 47 | .360 | 73.7 | 58.5 | NE | 4 | | | 0 | 1<br>1<br>1 | Ci Cu<br>Ci St<br>Cu | NW<br>NW<br>N | Clear | | | | | R.E.L. | 21 |
| 22 | 78.0 | 29.326 | .183 | 29.143 | 30.06 | 66.4 | 56.4 | 49 | 53 | .347 | 69.9 | 60.2 | SE | 9 | | | 0 | 3<br>2 | Ci<br>Ci Cu | NW<br>? | Clear | | | | | R.E.L. | 22 |
| 23 | 80.0 | 29.184 | .188 | 28.996 | 29.91 | 80.3 | 69.8 | 64 | 59 | .595 | 84.4 | 60.8 | S | 7 | | | 0 | 2 | Cu | SW | Pt Cloudy | | | | | R.E.L. | 23 |
| 24 | 78.0 | 29.215 | .182 | 29.033 | 29.94 | 69.0 | 66.0 | 64 | 86 | .595 | 81.5 | 68.5 | SW | 11 | | | 0.42 | 10 | St | SW | Light Rain | | | | | R.E.L. | 24 |
| 25 | 79.5 | 29.241 | .186 | 29.055 | 29.97 | 77.2 | 63.1 | 54 | 46 | .417 | 82.5 | 66.9 | SW | 5 | | | 0 | 5<br>5 | Ac Cu<br>As St | W<br>W | Cloudy | | | | | R.E.L. | 25 |
| 26 | 80.0 | 28.980 | .187 | 28.793 | 29.69 | 70.0 | 66.2 | 64 | 82 | .595 | 80.6 | 69.0 | W | 11 | | | T | 2<br>8 | St<br>St Cu | W<br>W | Lt Rain | | | | | R.E.L. | 26 |
| 27 | 78.0 | 28.998 | .181 | 28.817 | 29.72 | 66.7 | 63.2 | 62 | 83 | .555 | 75.7 | 59.9 | S | 6 | | | 0.14 | 2<br>2<br>4 | Ci<br>Ci Cu<br>Cu | W<br>W<br>S | Cloudy | | | | | L.C.S. | 27 |
| 28 | 79.0 | 29.060 | .184 | 28.876 | 29.79 | 73.7 | 63.2 | 57 | 56 | .465 | 77.1 | 64.1 | SE | 8 | | | 0 | 5<br>4 | Ac Cu<br>Cu | W<br>SE | Cloudy | | | | | L.C.S. | 28 |
| 29 | 77.0 | 29.103 | .179 | 28.924 | 29.83 | 66.3 | 56.8 | 50 | 55 | .360 | 72.7 | 60.0 | SW | 8 | | | .01 | 7<br>7 few | Cu<br>Ci | W<br>W | Pt Cloudy | | | | | R.E.L. | 29 |
| 30 | 75.0 | 29.216 | .175 | 29.041 | 29.96 | 62.0 | 54.4 | 49 | 62 | .347 | 63.6 | 60.5 | NW | 8 | | | T | 7 few | Cu | W | Clear | | | | | R.E.L. | 30 |
| 31 | 76.0 | 29.347 | .177 | 29.170 | 30.09 | 67.8 | 55.3 | 46 | 45 | .310 | 71.8 | 59.3 | NE | 7 | | | 0 | 7 few | Ac Cu | N | Clear | | | | | R.E.L. | 31 |
| Sums | | (a) | (a) | 899.087 | 927.52 | 1998.0 | 1791.2 | 1652 | 2128 | 13.010 | (a) | (a) | (a) | 242 | (a) | (a) | 2.59 | 200 | (a) | (a) | (a) | (a) | (a) | (a) | (a) | (a) | |
| Means | | (a) | (a) | 29.003 | 29.920 | 64.5 | 57.8 | 53.3 | 68.6 | .420 | (a) | (a) | (c) W NE | 7.8 | (a) | (a) | (a) | 6.5 | U Ac Cu<br>L Cu | U W<br>L W | (a) | (a) | (a) | (a) | (a) | (a) | |

Observations are begun about 7.40 o'clock, 75th meridian time.

† By dial when self-register is out of order.
†† T indicates trace of precipitation.

Wind data corrected to true velocity.

U, upper clouds. L, lower clouds.

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# ORIGINAL MONTHLY RECORD OF OBSERVATIONS at Fort Wayne, Ind., for the Month of MAY 1933, 193

| DATE. | TEMPERATURE. Maximum. (b) ° | Minimum (b) ° | Range. (b) ° | Change. (b) ° | Mean (max. and min.). (b) ° | Normal. ° | Departure. ° | Total excess or deficiency since 1st of month. ° | PRECIPITATION. Character. ‡ | Beginning. | Ending. | Character ‡ | Beginning. | Ending. | Character. ‡ | Beginning. | Ending. | Character. ‡ | Beginning. | Total (mid. to mid.) (b)†† In. | Total (mid. to mid.) Normal (b)†† In. | Departure. In. | Total excess or deficiency since 1st of month. In. | Hail and sleet unmelted. 7 p. m. to 7 p. m. *‡‡ In. | Snow unmelted. 7 p.m. to 7 p.m. *‡‡ In. | Hail, sleet, and snow on ground at 7 p.m. *‡‡ In. | Amount of precipitation from melted snow (mid. to mid.). In. | DATE. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Monday 1 | 79 | 58 | 21 | 0 | 68 | | | | | | | | | | | | | | | 1.03 | .11 | +.92 | +.92 | 0 | 0 | 0 | 0 | 1 |
| 2 | 65 | 43 | 22 | 14 | 54 | 11 | 11 | | | | | | | | | | | | | 0.22 | .11 | +.11 | +1.03 | 0 | 0 | 0 | 0 | 2 |
| 3 | 48 | 41 | 7 | 10 | 44 | 2 | 21 | | | | | | | | | | | | | .01 | .11 | −.10 | +.93 | 0 | 0 | 0 | 0 | 3 |
| 4 | 55 | 36 | 19 | 2 | 46 | | 19 | | | | | | | | | | | | | 0 | .11 | −.11 | +.82 | 0 | 0 | 0 | 0 | 4 |
| 5 | 52 | 44 | 8 | 2 | 48 | | 17 | | | | | | | | | | | | | 1.17 | .12 | +1.05 | +1.87 | 0 | 0 | 0 | 0 | 5 |
| 6 | 57 | 49 | 8 | 5 | 53 | | 12 | | | | | | | | | | | | | T | .12 | −.12 | +1.75 | 0 | 0 | 0 | 0 | 6 |
| 7 | 62 | 49 | 13 | 3 | 56 | | 9 | | | | | | | | | | | | | .03 | .11 | −.08 | +1.67 | 0 | 0 | 0 | 0 | 7 |
| 8 | 52 | 43 | 9 | 8 | 48 | | 17 | | | | | | | | | | | | | 1.03 | .11 | +.92 | +2.59 | 0 | 0 | 0 | 0 | 8 |
| 9 | 69 | 42 | 27 | 8 | 56 | | 9 | | | | | | | | | | | | | 0.43 | .12 | +.31 | +2.90 | 0 | 0 | 0 | 0 | 9 |
| 10 | 58 | 44 | 14 | 5 | 51 | | 14 | | | | | | | | | | | | | 0.20 | .13 | +.07 | +2.97 | 0 | 0 | 0 | 0 | 10 |
| 11 | 74 | 52 | 22 | 12 | 63 | | 2 | | | | | | | | | | | | | 1.00 | .12 | +.88 | +3.85 | 0 | 0 | 0 | 0 | 11 |
| 12 | 75 | 60 | 15 | 5 | 68 | | | | | | | | | | | | | | | T | .13 | −.13 | +3.72 | 0 | 0 | 0 | 0 | 12 |
| 13 | 70 | 61 | 9 | 2 | 66 | | | | | | | | | | | | | | | 0.45 | .14 | +.31 | +4.03 | 0 | 0 | 0 | 0 | 13 |
| 14 | 73 | 57 | 16 | 1 | 65 | | | | | | | | | | | | | | | 0 | .13 | −.13 | +3.90 | 0 | 0 | 0 | 0 | 14 |
| 15 | 63 | 55 | 8 | 6 | 59 | | 6 | | | | | | | | | | | | | 0.34 | .13 | +.21 | +4.11 | 0 | 0 | 0 | 0 | 15 |
| 16 | 62 | 53 | 9 | 1 | 58 | | 7 | | | | | | | | | | | | | .03 | .14 | −.11 | +4.00 | 0 | 0 | 0 | 0 | 16 |
| 17 | 71 | 51 | 20 | 3 | 61 | | 4 | | | | | | | | | | | | | 0 | .14 | −.14 | +3.86 | 0 | 0 | 0 | 0 | 17 |
| 18 | 75 | 56 | 19 | 5 | 66 | | | | | | | | | | | | | | | T | .13 | −.13 | +3.73 | 0 | 0 | 0 | 0 | 18 |
| 19 | 76 | 61 | 15 | 2 | 68 | | | | | | | | | | | | | | | 0.35 | .13 | +.22 | +3.95 | 0 | 0 | 0 | 0 | 19 |
| 20 | 80 | 64 | 16 | 4 | 72 | | | | | | | | | | | | | | | T | .13 | −.13 | +3.82 | 0 | 0 | 0 | 0 | 20 |
| 21 | 74 | 58 | 16 | 6 | 66 | | | | | | | | | | | | | | | 0 | .13 | −.13 | +3.69 | 0 | 0 | 0 | 0 | 21 |
| 22 | 70 | 58 | 12 | 2 | 64 | | 1 | | | | | | | | | | | | | 0 | .13 | −.13 | +3.56 | 0 | 0 | 0 | 0 | 22 |
| 23 | 84 | 54 | 30 | 5 | 69 | | | | | | | | | | | | | | | 0 | .13 | −.13 | +3.43 | 0 | 0 | 0 | 0 | 23 |
| 24 | 82 | 66 | 16 | 5 | 74 | | | | | | | | | | | | | | | 0.62 | .14 | +.48 | +3.91 | 0 | 0 | 0 | 0 | 24 |
| 25 | 82 | 62 | 20 | 2 | 72 | | | | | | | | | | | | | | | T | .13 | −.13 | +3.78 | 0 | 0 | 0 | 0 | 25 |
| 26 | 81 | 61 | 20 | 1 | 71 | | | | | | | | | | | | | | | T | .13 | −.13 | +3.65 | 0 | 0 | 0 | 0 | 26 |
| 27 | 76 | 57 | 19 | 5 | 66 | | | | | | | | | | | | | | | 0.14 | .12 | +.02 | +3.67 | 0 | 0 | 0 | 0 | 27 |
| 28 | 77 | 59 | 18 | 2 | 68 | | | | | | | | | | | | | | | 0 | .12 | −.12 | +3.55 | 0 | 0 | 0 | 0 | 28 |
| 29 | 73 | 60 | 13 | 2 | 66 | | | | | | | | | | | | | | | .01 | .12 | −.11 | +3.44 | 0 | 0 | 0 | 0 | 29 |
| 30 | 64 | 53 | 11 | 8 | 58 | | 7 | | | | | | | | | | | | | T | .12 | −.12 | +3.32 | 0 | 0 | 0 | 0 | 30 |
| 31 | 72 | 50 | 22 | 3 | 61 | | 4 degrees | | | | | | | | | | | | | 0 | .11 | −.11 | +3.21 | 0 | 0 | 0 | 0 | 31 |
| S | 2151 | 1657 | 494 | 139 | 1905 | | Total excess or deficiency since Jan. 1, | | (a) | (a) | (a) | (a) | (a) | (a) | (a) | (a) | (a) | (a) | (a) | 706 | 3.85 | | Total excess or deficiency since Jan. 1, | | | (a) | (a) | (a) |
| M | 69.4 | 53.5 | 15.9 | 4.5 | (a) | (a) | 160 | | (a) | (a) | (a) | (a) | (a) | (a) | (a) | (a) | (a) | (a) | (a) | (a) | (a) | (a) | +2.72 | (a) | (a) | (a) | (a) | (a) |

All data are in the standard of time in local use. ‡ Use the following abbreviations: R—rain, $S^d$—dry snow, $S^m$—moist snow, H—hail, Sl—sleet. †† T indicates trace of precipitation. ‡‡ Enter the local standard time of observation. * Inches and tenths

# SUMMARY FOR THE MONTH OF MAY 1933, 193

The 8 a. m. and 8 p. m. means of pressure, dry and wet thermometers, dew-point, humidity, vapor pressure, and mean cloudiness are in 75th meridian time. All other data are in the standard of time in local use.

## PRESSURE.

(Correction to reduce to a 24-hour mean -.005)

| STATION. | | | | | | | | REDUCED. | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Mean. | | | Highest. (h) | Date. | Lowest. (h) | Date. | Absolute range. | Mean. | | | Highest. (h) | Date. | Lowest. (h) | Date. | Absolute range. |
| 8 a. m. | 8 p. m. | Monthly. (g) | | | | | | 8 a. m. | 8 p. m. | Monthly. (g) | | | | | |
| 29.015 | 29.003 | 29.009 | 29.288 | 18 | 28.630 | 2 | 0.658 | 29.933 | 29.920 | 29.926 | 30.22 | 18 | 29.53 | 2 | 0.69 |
| Corrected mean.... | | 29.004 | | | | | | Corrected mean.... | | 29.921 | | | | | |

## TEMPERATURE.

| Mean. | | | | | | | | Highest. (i) | Date. (i) | Lowest. (i) | Date. (i) | Absolute range. | Greatest daily range. (i) | Date. (i) | Least daily range. (i) | Date. (i) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Dry. | | | Wet. | | | Max. | Min. | Monthly. (g) | | | | | | | | | | |
| 8 a. m. | 8 p. m. | (8+8)÷2 (g) | 8 a. m. | 8 p. m. | Monthly. (g) | | | | | | | | | | | | | |
| 58.3 | 64.5 | 61.4 | 54.6 | 57.8 | 56.2 | 69.4 | 53.5 | 61.4 | 84 | 23 | 36 | 4 | 48 | 30 | 23 | 7 | 3 | |

| Dew-point. | | | Relative Humidity. | | | Vapor Pressure. | | | Number of days with—(j) | | | | Clouds. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | Maximum. | | Minimum. | | |
| 8 a. m. | 8 p. m. | Monthly. (g) | 8 a. m. | 8 p. m. | Monthly. (g) | 8 a. m. | 8 p. m. | Monthly. (g) | 32° or below. | 90° or above. | 32° or below. | Zero or below. | |
| 51.9 | 53.3 | 52.6 | 79.7 | 68.6 | 74.2 | .401 | .420 | .410 | 0 | 0 | 0 | 0 | Most frequent clouds: Stratus<br>Most frequent direction upper clouds: West<br>Most frequent direction lower clouds: West |

## WIND.

(Wind data corrected to true velocity.)

| Total movement (mid. to mid.). | Average hourly velocity. | Prevailing direction. (p) | Maximum velocity. (r) | Direction. (r) | Date. (r) | Number of times wind observed from the— | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | N. | NE. | E. | SE. | S. | SW. | W. | NW. | Calm. |
| 6583 | 8.8 | NE | 28 | SW | 13 | 3 | 10 | 8 | 7 | 12 | 9 | 9 | 4 | 0 |

## WEATHER.

| Mean Cloudiness. | | | Sunshine. | Number of Days. | | | Number of Days with Precipitation (Mid. to Mid.). | | |
|---|---|---|---|---|---|---|---|---|---|
| 8 a. m. | 8 p. m. | Monthly. (t) | Percentage of possible. | Clear. | Partly cloudy. | Cloudy. | Clear. (u) | Partly cloudy. (u) | Cloudy. (u) |
| 6.8 | 6.5 | 7.1 | 49 | 4 | 11 | 16 | 0 | 4 | 12 |

(6)

## MISCELLANEOUS PHENOMENA.

Dates of—(Midnight to Midnight).

| Frosts. | | | Thunderstorms. (v) | Winds. (32 miles or over.) | Solar Halos. | Lunar Halos. | Fog. | | Haze. | | Smoke. | | Hail. | Aurora. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Light. | Heavy. | Killing. | | | | | Light. | Dense. | Light. | Dense. | Light. | Dense. | | |
| 4 | 0 | 0 | 26<br>1, 9, 11, 13, 19, 24 | 0 | 19<br>1, 4, 9, 11 | 0 | 5, 6, 9 | 5, 6 | 0 | 0 | 0 | 0 | 0 | 0 |

## PRECIPITATION (in inches and hundredths). (m)

| Total amount | Greatest amount in 24 consecutive hours. | | Excessive. | | | | | | Number of days with—(Mid. to Mid.). | | | | | | Snow. | | Snow. | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | 2.50 inches in 24 hours. (l) * | | | 1 inch per hour. (l) | | | | | | | | | Snow. | | Total depth. (o) | Average depth at end of month. |
| | Amt. | Date. (k) | Amt. | Duration. h. m. | Date. (k) | Amt. | Duration. h. m. | Date. (k) | Trace. | .01 or more. | .04 or more. | .25 or more. | 1.00 or more. | Total. | Trace or more. | .01 or more melted. | | |
| 7.06 | 1.20 ~~1.22~~ | ~~Apr. 30~~ 4 ~~May 1~~ 10+11 | — | — | — | — | — | — | 7 | 16 | 12 | 9 | 4 | 23 | 0 | 0 | 0 | 0 |

(w) Maximum precipitation in 5 minutes 0.17, date 24; 10 minutes 0.21, date 24; 15 minutes 0.23, date 24;
30 minutes 0.40, date 5; 1 hour 0.56, date 5; 2 hours 0.83, date 8.

## EXCESSIVE.

| Date. | Total Duration. | | Total amount of precipitation. | Excessive Rate. | | Amt. before excessive began. | Accumulated Depths During Excessive Rate for Consecutive Periods of Time Indicated Below. | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | From— | To— | | Began— | Ended— | | 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
| | | none | | | | | | | | | | | none | | | | | | | |

* The duration is the time precipitation was actually recorded.

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Prepared by R. E. Leaman

B. B. Walker, Meteorologist, Weather Bureau.

ORIGINAL MONTHLY RECORD OF OBSERVATIONS at Fort Wayne, Ind., for the Month of MAY 1933, 193

Number of Station barometer, 656; sum of corrections, -.052 inch.

| Date. | SPECIAL OBSERVATIONS. | | | | | | | | | | | | | | | | | | | | | | Date. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Time. | | Barometer. | | | | | Thermometers. | | Dew-point. | Depression of the dew-point. | Relative humidity. | Maximum thermometer. | Wind. | | | | Precipitation. †† | Clouds. | | | State of Weather. | Special Phenomena. | Initials of Observer. | |
| | 75th mer. | Local (standard). | Attached thermometer | Observed reading. | Total correction. | Station. (Observed reading plus total cor.) | Reduced to sea-level. | Dry. | Wet. | | | | | Direction. | Velocity. † | Max. since last observation. | Direction. | | Amt. | Kind. | Dir. from. | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | |

ORIGINAL MONTHLY RECORD OF OBSERVATIONS at Fort Wayne, Ind., for the Month of MAY 1933, 193

Wind—Number of Miles and Length of Time From. (Standard of time in local use, 90 meridian.)

| DATE. | N. | | NE. | | E. | | SE. | | S. | | SW. | | W. | | NW. | | CALM. | | TOTAL. | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Miles. | Hours. | Miles. | Hours. | Miles. | Hours. | Miles. | Hours. | Miles. | Hours. | Miles. | Hours. | Miles. | Hours. | Miles. | Hours. | Miles. | Hours. | Miles. | Hours. |
| 1 | | | | | | | 21 | 2 | 231 | 16 | 26 | 3 | 17 | 2 | 9 | 1 | | | 304 | 24 |
| 2 | | | | | | | 24 | 3 | 29 | 3 | 57 | 5 | 134 | 12 | 11 | 1 | | | 255 | 24 |
| 3 | 109 | 13 | 40 | 4 | | | | | | | | | 10 | 1 | 55 | 6 | | | 214 | 24 |
| 4 | | | 185 | 18 | 64 | 6 | | | | | | | | | | | | | 249 | 24 |
| 5 | | | 169 | 15 | 80 | 8 | 6 | 1 | | | | | | | | | | | 255 | 24 |
| 6 | | | | | 38 | 10 | | | | | | | 81 | 11 | 25 | 3 | | | 144 | 24 |
| 7 | | | | | 138 | 13 | 26 | 3 | | | | | 25 | 7 | 6 | 1 | | | 195 | 24 |
| 8 | | | 109 | 12 | 115 | 12 | | | | | | | | | | | | | 224 | 24 |
| 9 | 17 | 2 | 72 | 8 | 73 | 7 | 18 | 2 | 9 | 1 | 7 | 1 | 7 | 1 | 13 | 2 | | | 216 | 24 |
| 10 | 35 | 4 | 79 | 10 | 46 | 6 | 37 | 4 | | | | | | | | | | | 197 | 24 |
| 11 | | | | | 35 | 5 | 76 | 8 | 69 | 6 | 13 | 2 | 7 | 1 | 12 | 2 | | | 212 | 24 |
| 12 | | | | | 23 | 5 | | | 89 | 8 | 130 | 11 | | | | | | | 242 | 24 |
| 13 | | | | | | | | | 57 | 5 | 109 | 10 | 106 | 9 | | | | | 272 | 24 |
| 14 | | | | | | | | | | | 30 | 5 | 73 | 7 | 107 | 12 | | | 210 | 24 |
| 15 | | | 55 | 8 | 20 | 3 | 8 | 1 | 33 | 3 | 55 | 9 | | | | | | | 171 | 24 |
| 16 | 48 | 7 | 86 | 17 | | | | | | | | | | | | | | | 134 | 24 |
| 17 | | | 12 | 4 | | | 118 | 14 | 45 | 5 | | | | | | | 1 | 1 | 176 | 24 |
| 18 | | | | | | | 77 | 10 | 155 | 14 | | | | | | | | | 232 | 24 |
| 19 | | | | | | | | | 86 | 10 | 87 | 7 | 40 | 7 | | | | | 213 | 24 |
| 20 | 27 | 4 | | | | | | | | | 66 | 7 | 34 | 4 | 96 | 9 | | | 223 | 24 |
| 21 | 14 | 3 | 135 | 18 | 21 | 3 | | | | | | | | | | | | | 170 | 24 |
| 22 | | | 29 | 6 | | | 174 | 18 | | | | | | | | | | | 203 | 24 |
| 23 | | | | | 13 | 2 | 53 | 8 | 140 | 13 | 10 | 1 | | | | | | | 216 | 24 |
| 24 | | | | | | | | | 24 | 3 | 147 | 16 | 56 | 5 | | | | | 227 | 24 |
| 25 | 12 | 2 | | | | | | | | | 43 | 8 | 51 | 9 | 27 | 4 | 1 | 1 | 134 | 24 |
| 26 | | | | | | | 55 | 7 | 22 | 2 | 153 | 9 | 18 | 2 | 32 | 4 | | | 280 | 24 |
| 27 | | | | | | | 9 | 1 | 44 | 8 | 83 | 10 | 31 | 5 | | | | | 167 | 24 |
| 28 | | | | | | | 39 | 5 | 52 | 11 | 39 | 6 | 12 | 2 | | | | | 142 | 24 |
| 29 | | | | | | | | | 89 | 9 | 109 | 8 | 78 | 5 | 14 | 2 | | | 290 | 24 |
| 30 | | | | | | | | | 24 | 2 | 64 | 5 | 88 | 6 | 88 | 11 | | | 264 | 24 |
| 31 | 46 | 5 | 71 | 11 | | | | | | | | | | | 34 | 7 | 1 | 1 | 152 | 24 |
| Sum, | 308 | 40 | 1042 | 131 | 666 | 80 | 741 | 87 | 1198 | 119 | 1228 | 123 | 868 | 96 | 529 | 65 | 3 | 3 | 6583 | 744 |
| Percentage, | 5 | 5 | 16 | 18 | 10 | 11 | 11 | 12 | 18 | 16 | 19 | 16 | 13 | 13 | 8 | 9 | 0 | 0 | a | a |
| Avg. Hourly Velocity, | 7.7 | a | 8.0 | a | 8.3 | a | 8.5 | a | 10.1 | a | 10.0 | a | 9.0 | a | 8.1 | a | 1.0 | a | 8.8 | a |

Wind data corrected to true velocity.

8—154

# ORIGINAL MONTHLY RECORD OF OBSERVATIONS at Fort Wayne, Ind., for the Month of JUN - 1933, 193

Number of Station barometer, 6 5 6; sum of corrections, −.0 5 2 inch.

OBSERVATIONS AT 8 A. M. 75TH MERIDIAN TIME, WHICH CORRESPONDS TO 7:06 A. M. 90 MERIDIAN TIME, THE STANDARD OF TIME IN LOCAL USE; 7:19 A. M. LOCAL MEAN TIME.

| Date. | Barometer. Attached thermometer. | Barometer. Observed reading. | Barometer. Total correction. | Barometer. Station. (Observed reading plus total cor.) (b) | Barometer. Reduced to sea-level. (b) | Thermometers. Dry. (b) | Thermometers. Wet. (b) | Dew-point. (b) | Relative humidity. (b) | Vapor pressure. (b) | Self-Reg. Ther's Max. (b) | Self-Reg. Ther's Min. (b) | Wind. Dir. | Wind. Velocity. (b) † | Wind. Max. during preceding 12 hours. | Wind. Dir. | Precipitation. Amt. at 8 a. m. (b) †† | Clouds. Amt. | Clouds. Kind. | Dir. from. | State of Weather. | Visibility. 8 a. m. | Visibility. Local noon. | Visibility. 8 p. m. | Initials of Observer: | Date. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | In. | | In. | In. | ° | ° | ° | % | In. | ° | ° | | Mi. | Mi. | | In. | | | | | | | | | |
| 1 | 73.0 | 29.422 | .170 | 29.252 | 30.18 | 61.0 | 53.5 | 48 | 61 | .334 | 67.8 | 51.8 | NE | 4 | | | 0 | 0 | — | — | Clear | 6 | 8 | 8 | R.E.L. | 1 |
| 2 | 75.0 | 29.341 | .175 | 29.166 | 30.09 | 67.0 | 59.1 | 54 | 63 | .417 | 76.0 | 57.6 | W | 9 | | | 0 | 0 | — | — | Clear | 6 | 7 | 7 | L.C.S. | 2 |
| 3 | 77.0 | 29.260 | .180 | 29.080 | 29.99 | 68.0 | 62.2 | 58 | 73 | .482 | 80.8 | 62.0 | W | 10 | | | 0 | 7w | ci cu | P | P+ Cloudy | 7 | 7 | 7 | R.E.L. | 3 |
| | | | | | | | | | | | | | | | | | | 7 | ci st | ? | | | | | | |
| 4 | 79.0 | 29.228 | .185 | 29.043 | 29.94 | 69.0 | 64.0 | 61 | 77 | .536 | 80.0 | 64.4 | W | 10 | | | 0 | 7 | ci | NW | P+ Cloudy | 7 | 7 | 7 | B.B.W. | 4 |
| | | | | | | | | | | | | | | | | | | 4 | a st | W | | | | | | |
| 5 | 80.5 | 29.139 | .189 | 28.950 | 29.84 | 74.2 | 67.0 | 64 | 69 | .595 | 81.0 | 68.4 | W | 6 | | | T | 2 | st | W | Cloudy | 6 | 7 | 7 | L.C.S. | 5 |
| | | | | | | | | | | | | | | | | | | 3 | cu | W | | | | | | |
| 6 | 77.5 | 29.123 | .180 | 28.943 | 29.83 | 69.7 | 66.5 | 65 | 85 | .616 | 85.4 | 64.4 | S | 8 | | | .10 | 7w | ci st | ? | Clear | 7 | 8 | 7 | R.E.L. | 6 |
| 7 | 83.5 | 29.130 | .197 | 28.933 | 29.82 | 80.3 | 76.3 | 75 | 83 | .866 | 89.5 | 76.8 | SW | 9 | | | 0 | 4 | ci st | ? | P+ Cloudy | 7 | 8 | 7 | L.C.S. | 7 |
| 8 | 84.0 | 29.202 | .198 | 29.004 | 29.89 | 78.0 | 72.5 | 70 | 77 | .732 | 92.0 | 72.4 | SW | 8 | | | 0 | 3 | a cu | SW | Clear | 6 | 7 | 7 | R.E.L. | 8 |
| | | | | | | | | | | | | | | | | | | 4 | ci st | W | | | | | | |
| 9 | 85.0 | 29.252 | .201 | 29.051 | 29.94 | 75.5 | 67.5 | 64 | 66 | .595 | 89.0 | 72.5 | W | 6 | | | 0 | 3 | a st | W | P+ Cloudy | 8 | 9 | 7 | L.C.S. | 9 |
| 10 | 86.0 | 29.323 | .204 | 29.119 | 30.02 | 77.1 | 65.0 | 58 | 52 | .482 | 85.0 | 67.8 | SE | 2 | | | 0 | 7w | a cu | NE | Clear | 5 | 7 | 7 | R.E.L. | 10 |
| 11 | 88.0 | 29.388 | .209 | 29.179 | 30.08 | 76.0 | 68.3 | 65 | 68 | .616 | 90.2 | 70.5 | SW | 9 | | | 0 | 0 | — | — | Clear | 7 | 7 | 7 | L.C.S. | 11 |
| 12 | 82.5 | 29.336 | .195 | 29.141 | 30.05 | 59.8 | 56.5 | 54 | 82 | .417 | 90.2 | 58.3 | NE | 9 | | | .07 | 3 | a st | W | Sprinkling | 7 | 9 | 8 | L.C.S. | 12 |
| | | | | | | | | | | | | | | | | | | 3 | st | NE | | | | | | |
| | | | | | | | | | | | | | | | | | | 4 | st cu | NE | | | | | | |
| 13 | 80.0 | 29.464 | .189 | 29.275 | 30.21 | 52.0 | 44.7 | 36 | 56 | .211 | 67.0 | 47.9 | N | 10 | | | 0 | 0 | — | — | Clear | 7 | 8 | 8 | R.E.L. | 13 |
| 14 | 77.0 | 29.542 | .181 | 29.361 | 30.30 | 50.0 | 44.0 | 37 | 62 | .219 | 58.7 | 43.6 | N | 9 | | | 0 | 0 | — | — | Clear | 8 | 9 | 8 | L.C.S. | 14 |
| | | | | | | | | | | | | | | | | | | 1 | ci cu | NW | | | | | | |
| 15 | 74.5 | 29.518 | .174 | 29.344 | 30.27 | 53.4 | 45.4 | 37 | 53 | .219 | 64.0 | 43.8 | SW | 9 | | | 0 | 4 | a cu | NW | P+ Cloudy | 7 | 7 | 6 | R.E.L. | 15 |
| | | | | | | | | | | | | | | | | | | 1 | a st | W | | | | | | |
| | | | | | | | | | | | | | | | | | | 1 | a cu | W | | | | | | |
| 16 | 74.0 | 29.242 | .172 | 29.070 | 29.98 | 67.2 | 55.0 | 45 | 45 | .298 | 73.5 | 63.5 | SW | 12 | | | 0 | 6 | cu | SW | Cloudy | 7 | 7 | 7 | L.C.S. | 16 |
| | | | | | | | | | | | | | | | | | | 1 | ci | W | | | | | | |
| 17 | 74.0 | 29.252 | .172 | 29.080 | 29.99 | 69.5 | 64.0 | 61 | 74 | .536 | 73.7 | 63.0 | SW | 5 | | | T | 2 | ci st | W | Clear | 7 | 8 | 8 | L.C.S. | 17 |
| 18 | 76.5 | 29.428 | .180 | 29.248 | 30.18 | 63.6 | 54.1 | 47 | 54 | .322 | 79.7 | 57.2 | G | 6 | | | 0 | 3 | a st | ? | Clear | 7 | 7 | 7 | R.E.L. | 18 |
| 19 | 78.0 | 29.375 | .183 | 29.192 | 30.09 | 75.0 | 64.0 | 58 | 55 | .482 | 88.5 | 66.0 | W | 6 | | | 0 | 7w | ci | W | Clear | 7 | 7 | 7 | B.B.W. | 19 |
| 20 | 80.5 | 29.330 | .189 | 29.141 | 30.04 | 73.7 | 62.9 | 56 | 55 | .448 | 89.6 | 66.0 | W | 7 | | | 0 | 0 | — | — | Clear | 7 | 7 | 7 | R.E.L. | 20 |
| 21 | 82.5 | 29.209 | .194 | 29.015 | 29.90 | 75.7 | 64.2 | 58 | 54 | .482 | 91.5 | 70.1 | SW | 8 | | | 0 | 0 | — | — | Clear | 7 | 7 | 7 | L.C.S. | 21 |
| 22 | 83.5 | 29.250 | .197 | 29.053 | 29.96 | 69.4 | 66.4 | 65 | 86 | .616 | 79.0 | 66.9 | NE | 6 | | | T | 10 | st | N | Cloudy | 6 | 7 | 7 | P.A.L. | 22 |
| 23 | 81.5 | 29.316 | .192 | 29.124 | 30.03 | 67.8 | 60.3 | 56 | 65 | .448 | 81.0 | 60.3 | NE | 6 | | | 0 | 0 | — | — | Clear | 7 | 7 | 7 | P.A.L. | 23 |
| 24 | 81.0 | 29.233 | .190 | 29.043 | 29.95 | 67.7 | 58.7 | 53 | 59 | .402 | 82.8 | 64.4 | E | 5 | | | 0 | 2 | ci cu | W | P+ Cloudy | 7 | 7 | 7 | L.C.S. | 24 |
| | | | | | | | | | | | | | | | | | | 1 | a cu | W | | | | | | |
| | | | | | | | | | | | | | | | | | | 1 | cu | E | | | | | | |
| 25 | 85.5 | 29.249 | .202 | 29.047 | 29.94 | 76.0 | 69.9 | 67 | 74 | .661 | 85.0 | 72.0 | SW | 10 | | | 0 | 4 | a st | NE | Cloudy | 7 | 7 | 7 | B.B.W. | 25 |
| | | | | | | | | | | | | | | | | | | 4 | a cu | NE | | | | | | |
| 26 | 80.5 | 29.221 | .189 | 29.032 | 29.93 | 72.0 | 69.5 | 68 | 89 | .684 | 74.0 | 70.0 | SW | 8 | | | .02 | 1 | a st | ? | Clear | 6 | 7 | 7 | L.C.S. | 26 |
| 27 | 83.0 | 29.272 | .196 | 29.076 | 29.97 | 76.7 | 69.8 | 67 | 71 | .661 | 88.5 | 70.9 | SW | 8 | | | 0 | 0 | — | — | Clear | 6 | 7 | 7 | R.E.L. | 27 |
| | | | | | | | | | | | | | | | | | | 4 | a st | W | | | | | | |
| 28 | 85.0 | 29.283 | .201 | 29.082 | 29.97 | 77.4 | 71.0 | 68 | 73 | .684 | 94.3 | 73.9 | S | 6 | | | 0 | 2 | a cu | W | P+ Cloudy | 6 | 6 | 6 | L.C.S. | 28 |
| 29 | 86.0 | 29.293 | .204 | 29.089 | 29.99 | 76.1 | 71.0 | 69 | 78 | .707 | 82.0 | 72.5 | E | 6 | | | 0 | 5 | a cu | ? | Cloudy | 6 | 6 | 6 | R.E.L. | 29 |
| | | | | | | | | | | | | | | | | | | 5 | a st | ? | | | | | | |
| 30 | 86.0 | 29.128 | .203 | 28.925 | 29.82 | 77.2 | 71.0 | 68 | 74 | .684 | 82.0 | 76.8 | W | 15 | | | T | 4 | cu | NW | Part Cloudy | 6 | 7 | 7 | L.C.S. | 30 |
| 31 | | | | | | | | | | | | | | | | | | | | | | | | | | 31 |
| Sums | | (a) | (a) | 873.058 | 900.19 | 2096.0 | 1884.3 | 1752 | 2033 | 15452 | (a) | (a) | (a) | 232 | (a) | (a) | 2.19 | 110 | (a) | (a) | (a) | (a) | (a) | (a) | (a) | (a) |
| | | | | | | | | | | | | | | | | | | | U Acu, ast | U W | | | | | | |
| Means | | (a) | (a) | 29.102 | 30.006 | 69.9 | 62.8 | 58.4 | 67.8 | .515 | (a) | (a) | (c) SW | 7.7 | (a) | (a) | (a) | 3.7 | L cu | L NE W | (a) | (a) | (a) | (a) | (a) | (a) |

8—154 Reference letters in this form refer to paragraph 121, "Instructions for Preparing Meteorological Forms."

† By dial when self-register is out of order.

†† T indicates trace of precipitation.

Wind data corrected to true velocity.

U, upper clouds. L, lower clouds.

Use visibility scale in "Instructions for Preparing Meteorological Forms."

# ORIGINAL MONTHLY RECORD OF OBSERVATIONS at Fort Wayne, Ind., for the Month of JUN - 1933, 193

Number of Station barometer, 656; sum of corrections, —.052 inch.

OBSERVATIONS AT 8 P. M. 75TH MERIDIAN TIME, WHICH CORRESPONDS TO 7:00 P. M. 90 MERIDIAN TIME, THE STANDARD OF TIME IN LOCAL USE; 7:19 P. M. LOCAL MEAN TIME.

| Date. | Barometer. Attached thermometer. | Barometer. Observed reading. | Barometer. Total correction. | Barometer. Station. (Observed reading plus total cor.) (b) | Barometer. Reduced to sea-level. (b) | Thermometers. Dry. (b) | Thermometers. Wet. (b) | Dew-point. (b) | Relative humidity. (b) | Vapor pressure. (b) | Self-Reg. Ther's. Max. (b) | Self-Reg. Ther's. Min. (b) | Wind. Dir. | Wind. Velocity. (b) † | Wind. Max. during preceding 12 hours. | Wind. Dir. | Precipitation. Amt. at 8 p. m. (b) †† | Clouds. Amt. | Clouds. Kind. | Clouds. Dir. from. | State of Weather. | Fog, Mid. to Mid. (Local standard time.) Light (f). Began. | Light (f). Ended. | Dense (f). Began. | Dense (f). Ended. | Initials of observer. | Date. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | In. | | In. | In. | ° | ° | ° | % | In. | ° | ° | | Mi. | Mi. | | In. | | | | | | | | | | |
| 1 | 77.0 | 29.315 | .180 | 29.135 | 30.04 | 76.0 | 61.2 | 51 | 42 | .373 | 78.2 | 61.0 | NW | 4 | | | 0 | 0 | — | — | Clear | | | | | L.C.S. | 1 |
| 2 | 80.0 | 29.234 | .188 | 29.046 | 29.96 | 80.8 | 65.8 | 58 | 45 | .482 | 84.4 | 67.0 | W | 7 | | | 0 | 0 | — | — | Clear | | | | | R.E.L. | 2 |
| 3 | 81.0 | 29.205 | .190 | 29.015 | 29.92 | 80.0 | 68.0 | 62 | 54 | .555 | 84.0 | 68.0 | NW | 4 | | | 0 | 3<br>1 | ci<br>cu | NW<br>W | Pt Cloudy | | | | | B.B.W. | 3 |
| 4 | 83.0 | 29.119 | .195 | 28.924 | 29.82 | 81.0 | 66.9 | 60 | 48 | .517 | 86.2 | 69.0 | SW | 12 | | | 0 | 7 | ci | NW | Pt Cloudy | | | | | B.B.W. | 4 |
| 5 | 85.0 | 29.098 | .200 | 28.898 | 29.79 | 85.4 | 69.8 | 62 | 46 | .555 | 88.7 | 74.2 | SW | 4 | | | 0 | 5<br>1 | cist<br>cist | W<br>W | Pt Cloudy | | | | | R.E.L. | 5 |
| 6 | 87.0 | 29.112 | .205 | 28.907 | 29.80 | 89.5 | 75.3 | 69 | 52 | .707 | 94.0 | 69.7 | SW | 7 | | | 0 | 1<br>1 | cicu<br>cu | W<br>SW | Clear | | | | | L.C.S. | 6 |
| 7 | 91.0 | 29.134 | .216 | 28.918 | 29.81 | 92.0 | 76.8 | 71 | 50 | .757 | 97.3 | 80.3 | SW | 8 | | | 0 | 0 | — | — | Clear | | | | | R.E.L. | 7 |
| 8 | 91.0 | 29.113 | .216 | 28.897 | 29.79 | 89.0 | 75.3 | 70 | 53 | .732 | 95.7 | 78.0 | SW | 10 | | | 0 | 7ew | ast | ? | Clear | | | | | L.C.S. | 8 |
| 9 | 89.5 | 29.271 | .213 | 29.058 | 29.96 | 85.0 | 66.0 | 55 | 36 | .432 | 89.3 | 75.5 | NE | 4 | | | 0 | 3 | cist | W | Clear | | | | | R.E.L. | 9 |
| 10 | 91.0 | 29.313 | .217 | 29.096 | 29.99 | 90.2 | 68.0 | 56 | 32 | .448 | 95.6 | 77.1 | S | 5 | | | 0 | 7ew | acu | W | Clear | | | | | L.C.S. | 10 |
| 11 | 92.0 | 29.266 | .220 | 29.046 | 29.94 | 90.2 | 71.7 | 63 | 41 | .575 | 96.0 | 76.0 | S | 6 | | | 0 | 1 | acu | W | Clear | | | | | L.C.S. | 11 |
| 12 | 86.0 | 29.323 | .204 | 29.119 | 30.04 | 67.0 | 54.0 | 43 | 42 | .277 | 77.0 | 59.8 | NW | 10 | | | T | 2 | cist | W | Clear | | | | | R.E.L. | 12 |
| 13 | 81.0 | 29.434 | .192 | 29.242 | 30.17 | 58.7 | 46.0 | 31 | 35 | .172 | 64.0 | 52.0 | NW | 12 | | | 0 | 7ew | acu | ? | Clear | | | | | L.C.S. | 13 |
| 14 | 78.5 | 29.505 | .185 | 29.320 | 30.26 | 64.0 | 48.8 | 32 | 30 | .180 | 66.3 | 50.0 | N | 6 | | | 0 | 7ew<br>5 | acu<br>ci | NW<br>W | Clear | | | | | R.E.L. | 14 |
| 15 | 77.5 | 29.310 | .181 | 29.129 | 30.05 | 73.5 | 55.0 | 38 | 28 | .228 | 76.8 | 53.4 | SW | 12 | | | 0 | 2<br>8 | ast<br>cist | W<br>NE | Pt Cloudy | | | | | L.C.S. | 15 |
| 16 | 76.0 | 29.183 | .177 | 29.006 | 29.92 | 73.7 | 64.9 | 60 | 62 | .517 | 74.3 | 67.2 | SW | 5 | | | .03 | 1 | ast | ? | Cloudy | | | | | R.E.L. | 16 |
| 17 | 80.0 | 29.300 | .188 | 29.112 | 30.02 | 79.7 | 63.2 | 53 | 40 | .402 | 84.3 | 69.5 | NE | 7 | | | 0 | 6 | cicu | NW | Part Cloudy | | | | | R.E.L. | 17 |
| 18 | 83.0 | 29.317 | .196 | 29.121 | 30.03 | 88.5 | 68.8 | 58 | 36 | .482 | 90.0 | 63.6 | W | 3 | | | 0 | 0 | — | — | Clear | | | | | R.E.L. | 18 |
| 19 | 86.0 | 29.300 | .204 | 29.096 | 30.00 | 89.6 | 66.0 | 52 | 28 | .387 | 94.9 | 75.0 | W | 7 | | | 0 | 0 | — | — | Clear | | | | | R.E.L. | 19 |
| 20 | 89.0 | 29.224 | .211 | 29.013 | 29.90 | 91.5 | 67.5 | 54 | 28 | .417 | 94.8 | 73.7 | W | 6 | | | 0 | 0 | — | — | Clear | | | | | L.C.S. | 20 |
| 21 | 88.5 | 29.187 | .210 | 28.977 | 29.88 | 79.0 | 68.1 | 62 | 57 | .555 | 97.0 | 75.7 | N | 10 | | | 0 | 1<br>5<br>2 | ci<br>ast<br>acu | W<br>W<br>W | Cloudy | | | | | B.B.W. | 21 |
| 22 | 87.0 | 29.226 | .206 | 29.020 | 29.92 | 81.0 | 65.8 | 58 | 44 | .482 | 85.5 | 69.4 | E | 9 | | | 0 | 7ew | acu | ? | Clear | | | | | L.C.S. | 22 |
| 23 | 86.5 | 29.226 | .205 | 29.021 | 29.92 | 82.8 | 63.3 | 51 | 33 | .373 | 88.0 | 67.8 | NE | 9 | | | 0 | 1 | acu | ? | Clear | | | | | L.C.S. | 23 |
| 24 | 87.0 | 29.172 | .206 | 28.966 | 29.87 | 85.0 | 71.0 | 64 | 50 | .595 | 92.8 | 67.7 | NE | 3 | | | 0 | 2<br>4<br>1<br>6 | ci<br>ast<br>acu<br>st cu | W<br>W<br>W<br>W | Pt Cloudy | | | | | B.B.W. | 24 |
| 25 | 82.0 | 29.224 | .193 | 29.031 | 29.93 | 74.0 | 69.9 | 68 | 82 | .684 | 92.0 | 68.0 | SE | 6 | | | 0.27 | 3 | st | W | Cloudy | | | | | B.B.W. | 25 |
| 26 | 87.5 | 29.206 | .207 | 28.999 | 29.89 | 88.5 | 72.0 | 64 | 45 | .595 | 89.5 | 72.0 | O | 0 | | | 0 | 7ew | acu | N | Clear | | | | | R.E.L. | 26 |
| 27 | 91.0 | 29.241 | .216 | 29.025 | 29.92 | 94.3 | 70.0 | 57 | 29 | .465 | 97.0 | 76.7 | NW | 4 | | | 0 | 5<br>2 | cist<br>cu | W<br>NW | Pt Cloudy | | | | | L.C.S. | 27 |
| 28 | 90.5 | 29.272 | .216 | 29.056 | 29.96 | 82.0 | 71.5 | 67 | 60 | .661 | 96.0 | 77.4 | NE | 5 | | | T | 8<br>2 | ast<br>acu | N<br>N | Cloudy | | | | | R.E.L. | 28 |
| 29 | 88.0 | 29.182 | .208 | 28.974 | 29.86 | 80.5 | 73.0 | 70 | 70 | .732 | 93.8 | 75.1 | SE | 8 | | | .01 | 3<br>6 | acu<br>cu | W<br>SE | Cloudy | | | | | L.C.S. | 29 |
| 30 | 89.5 | 29.135 | .212 | 28.923 | 29.81 | 86.3 | 74.8 | 70 | 59 | .732 | 88.7 | 75.2 | N | 7 | | | 0 | 2<br>7ew | acu<br>cist | NW<br>NW | Clear | | | | | L.C.S. | 30 |
| 31 | | | | | | | | | | | | | | | | | | | | | | | | | | | 31 |
| Sums | (a) | (a) | | 871.090 | 898.17 | 2458.7 | 1998.4 | 1729 | 1357 | 15.069 | (a) | (a) | (a) | 200 | (a) | (a) | 0.31 | 100 | (a) | (a) | (a) | (a) | (a) | (a) | (a) | (a) | (a) |
| Means | (a) | (a) | | 29.036 | 29.939 | 82.0 | 66.6 | 57.6 | 45.2 | .502 | (a) | (a) | (c) SW | 6.7 | (a) | (a) | (a) | 3.3 | U Acu<br>L Cu | U W<br>L W | (a) | (a) | (a) | (a) | (a) | (a) | (a) |

Observations are begun about 7.40 o'clock, 75th meridian time.

† By dial when self-register is out of order.

†† T indicates trace of precipitation.

Wind data corrected to true velocity.

U, upper clouds. L, lower clouds.

# ORIGINAL MONTHLY RECORD OF OBSERVATIONS at Fort Wayne, Ind., for the Month of JUN - 1933, 193

| Date. | TEMPERATURE. Maximum. (b) | Minimum (b) | Range. (b) | Change. (b) | Mean (max. and min.). (b) | Normal. | Departure. | Total excess or deficiency since 1st of month. | PRECIPITATION. Character. ‡ | Beginning. | Ending. | Character ‡ | Beginning. | Ending. | Character. ‡ | Beginning. | Ending. | Character. ‡ | Beginning. | Ending. | Total (mid. to mid.). (b)†† | Normal. | Departure. | Total excess or deficiency since 1st of month. | Hail and sleet unmelted. 7p.m. to 7p.m. *‡‡ | Snow unmelted. 7p.m. to 7p.m. *‡‡ | Hail, sleet, and snow on ground at 7p.m. *‡‡ | Amount of precipitation from melted snow (mid. to mid.). | Date. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | ° | ° | ° | ° | 67 | | | | | | | | | | | | | | | | In. | | | +2.72 | In. | In. | In. | In. | |
| Thursday 1 | 78 | 52 | 26 | 4 | 65 | | | | | | | | | | | | | | | | 0 | .10 | -.10 | -.10 | 0 | 0 | 0 | 0 | 1 |
| 2 | 84 | 58 | 26 | 6 | 71 | | | | | | | | | | | | | | | | 0 | .11 | -.11 | -.21 | 0 | 0 | 0 | 0 | 2 |
| 3 | 84 | 62 | 22 | 2 | 73 | | | | | | | | | | | | | | | | 0 | .11 | -.11 | -.32 | 0 | 0 | 0 | 0 | 3 |
| 4 | 86 | 64 | 22 | 2 | 75 | | | | | | | | | | | | | | | | 0 | .12 | -.12 | -.44 | 0 | 0 | 0 | 0 | 4 |
| 5 | 89 | 68 | 21 | 3 | 78 | | | | | | | | | | | | | | | | T | .13 | -.13 | -.57 | 0 | 0 | 0 | 0 | 5 |
| 6 | 94 | 64 | 30 | 1 | 79 | | | | | | | | | | | | | | | | .10 | .13 | -.03 | -.60 | 0 | 0 | 0 | 0 | 6 R |
| 7 | 97 | 77 | 20 | 8 | 87 | | | | | | | | | | | | | | | | 0 | .13 | -.13 | -.73 | 0 | 0 | 0 | 0 | 7 |
| 8 | 96 | 72 | 24 | 3 | 84 | | | | | | | | | | | | | | | | 0 | .13 | -.13 | -.86 | 0 | 0 | 0 | 0 | 8 |
| 9 | 89 | 72 | 17 | 4 | 80 | | | | | | | | | | | | | | | | 0 | .11 | -.11 | -.97 | 0 | 0 | 0 | 0 | 9 |
| 10 | 96 | 68 | 28 | 2 | 82 | | | | | | | | | | | | | | | | 0 | .11 | -.11 | -1.08 | 0 | 0 | 0 | 0 | 10 |
| 11 | 96 | 70 | 26 | 1 | 83 | | | | | | | | | | | | | | | | 0 | .11 | -.11 | -1.19 | 0 | 0 | 0 | 0 | 11 |
| 12 | 79 | 56 | 23 | 15 | 68 | | | | | | | | | | | | | | | | .07 | .11 | -.04 | -1.23 | 0 | 0 | 0 | 0 | 12 R |
| 13 | 64 | 48 | 16 | 12 | 56 | | 9 | | | | | | | | | | | | | | 0 | .11 | -.11 | -1.34 | 0 | 0 | 0 | 0 | 13 |
| 14 | 66 | 44 | 22 | 1 | 55 | | 10 | | | | | | | | | | | | | | 0 | .12 | -.12 | -1.46 | 0 | 0 | 0 | 0 | 14 |
| 15 | 77 | 44 | 33 | 5 | 60 | | 5 | | | | | | | | | | | | | | 0 | .13 | -.13 | -1.59 | 0 | 0 | 0 | 0 | 15 |
| 16 | 74 | 64 | 10 | 9 | 69 | | | | | | | | | | | | | | | | .03 | .13 | -.10 | -1.69 | 0 | 0 | 0 | 0 | 16 |
| 17 | 84 | 63 | 21 | 5 | 74 | | | | | | | | | | | | | | | | 0 | .12 | -.12 | -1.81 | 0 | 0 | 0 | 0 | 17 |
| 18 | 90 | 57 | 33 | 0 | 74 | | | | | | | | | | | | | | | | 0 | .11 | -.11 | -1.92 | 0 | 0 | 0 | 0 | 18 |
| 19 | 95 | 66 | 29 | 6 | 80 | | | | | | | | | | | | | | | | 0 | .11 | -.11 | -2.03 | 0 | 0 | 0 | 0 | 19 |
| 20 | 95 | 66 | 29 | 0 | 80 | | | | | | | | | | | | | | | | 0 | .11 | -.11 | -2.14 | 0 | 0 | 0 | 0 | 20 |
| 21 | 97 | 70 | 27 | 4 | 84 | | | | | | | | | | | | | | | | T | .11 | -.11 | -2.25 | 0 | 0 | 0 | 0 | 21 R |
| 22 | 86 | 67 | 19 | 8 | 76 | | | | | | | | | | | | | | | | 0 | .12 | -.12 | -2.37 | 0 | 0 | 0 | 0 | 22 |
| 23 | 88 | 60 | 28 | 2 | 74 | | | | | | | | | | | | | | | | 0 | .12 | -.12 | -2.49 | 0 | 0 | 0 | 0 | 23 |
| 24 | 93 | 64 | 29 | 4 | 78 | | | | | | | | | | | | | | | | 0 | .13 | -.13 | -2.62 | 0 | 0 | 0 | 0 | 24 R |
| 25 | 92 | 68 | 24 | 2 | 80 | | | | | | | | | | | | | | | | .27 | .13 | +.14 | -2.48 | 0 | 0 | 0 | 0 | 25 R |
| 26 | 90 | 70 | 20 | 0 | 80 | | | | | | | | | | | | | | | | .02 | .14 | -.12 | -2.60 | 0 | 0 | 0 | 0 | 26 |
| 27 | 97 | 71 | 26 | 4 | 84 | | | | | | | | | | | | | | | | 0 | .13 | -.13 | -2.73 | 0 | 0 | 0 | 0 | 27 |
| 28 | 96 | 74 | 22 | 1 | 85 | | | | | | | | | | | | | | | | T | .12 | -.12 | -2.85 | 0 | 0 | 0 | 0 | 28 R |
| 29 | 94 | 72 | 22 | 2 | 83 | | | | | | | | | | | | | | | | .01 | .12 | -.11 | -2.96 | 0 | 0 | 0 | 0 | 29 R |
| 30 | 89 | 75 | 14 | 1 | 82 | | | | | | | | | | | | | | | | 0 | .11 | -.11 | -3.07 | 0 | 0 | 0 | 0 | 30 |
| 31 | | | | | | | | | | | | | | | | | | | | | | — | | | | | | | 31 |
| S | 2635 | 1926 | 709 | 117 | 2279 | | Total excess or deficiency since Jan. 1, degree days | | (a) | (a) | (a) | (a) | (a) | (a) | (a) | (a) | (a) | (a) | (a) | (a) | 0.50 | 3.57 | Total excess or deficiency since Jan. 1, | 0 | 0 | (a) | (a) | (a) |
| M | 87.8 | 64.2 | 23.6 | 3.9 | (a) | (a) | 24 | | (a) | (a) | (a) | (a) | (a) | (a) | (a) | (a) | (a) | (a) | (a) | (a) | (a) | (a) | − 0.35 | (a) | (a) | (a) | (a) | (a) | |

All data are in the standard of time in local use. ‡ Use the following abbreviations: R—rain, $S^d$—dry snow, $S^m$—moist snow, H—hail, Sl—sleet. †† T indicates trace of precipitation. ‡‡ Enter the local standard time of observation. *Inches and tenths



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# SUMMARY FOR THE MONTH OF JUN - 1933, 193

The 8 a. m. and 8 p. m. means of pressure, dry and wet thermometers, dew-point, humidity, vapor pressure, and mean cloudiness are in 75th meridian time. All other data are in the standard of time in local use.

## PRESSURE.

(Correction to reduce to a 24-hour mean -.004)

### STATION.

| Mean. 8 a. m. | Mean. 8 p. m. | Mean. Monthly. (g) | Highest. (h) | Date. | Lowest. (h) | Date. | Absolute range. |
|---|---|---|---|---|---|---|---|
| 29.102 | 29.036 | 29.069 | 29.370 | 14 | 28.850 | 30 | 0.520 |
| Corrected mean.... | | 29.065 | | | | | |

### REDUCED.

| Mean. 8 a. m. | Mean. 8 p. m. | Mean. Monthly. (g) | Highest. (h) | Date. | Lowest. (h) | Date. | Absolute range. |
|---|---|---|---|---|---|---|---|
| 30.006 | 29.939 | 29.972 | 30.31 | 14 | 29.74 | 30 | 0.57 |
| Corrected mean.... | | 29.968 | | | | | |

## TEMPERATURE.

### MEAN.

| Dry. 8 a. m. | Dry. 8 p. m. | Dry. (8+8)÷2 (g) | Wet. 8 a. m. | Wet. 8 p. m. | Wet. Monthly. (g) | Max. | Min. | Monthly. (g) |
|---|---|---|---|---|---|---|---|---|
| 69.9 | 82.0 | 76.0 | 62.8 | 66.6 | 64.7 | 87.8 | 64.2 | 76.0 |

| Highest. (i) | Date. (i) | Lowest. (i) | Date. (i) | Absolute range. | Greatest daily range. (i) | Date. (i) | Least daily range. (i) | Date. (i) |
|---|---|---|---|---|---|---|---|---|
| 97 | 7 | 44 | 14 | 53 | 33 | 15 | 10 | 16 |

| Dew-point. 8 a. m. | Dew-point. 8 p. m. | Dew-point. Monthly. (g) | Relative Humidity. 8 a. m. | Relative Humidity. 8 p. m. | Relative Humidity. Monthly. (g) | Vapor Pressure. 8 a. m. | Vapor Pressure. 8 p. m. | Vapor Pressure. Monthly. (g) |
|---|---|---|---|---|---|---|---|---|
| 58.4 | 57.6 | 58.0 | 67.8 | 45.2 | 56.5 | .515 | .502 | .508 |

| Number of days with—(j) Maximum. 32° or below. | Maximum. 90° or above. | Minimum. 32° or below. | Minimum. Zero or below. |
|---|---|---|---|
| 0 | 14 | 0 | 0 |

**CLOUDS.**

Most frequent clouds. Alto - Cumulus

Most frequent direction upper clouds. West

Most frequent direction lower clouds. West

## WIND.

(Wind data corrected to true velocity.)

| Total movement (mid. to mid.). | Average hourly velocity. | Prevailing direction. (p) | Maximum velocity. (r) | Direction. (r) | Date. (r) |
|---|---|---|---|---|---|
| 5741 | 8.0 | SW | 28 | NW | 25 |

| Number of times wind observed from the— N. | NE. | E. | SE. | S. | SW. | W. | NW. | Calm. |
|---|---|---|---|---|---|---|---|---|
| 5 | 9 | 4 | 3 | 4 | 17 | 12 | 5 | 1 |

## WEATHER.

| Mean Cloudiness. 8 a. m. | 8 p. m. | Monthly. (t) | Sunshine. Percentage of possible. | Number of Days. Clear. | Partly cloudy. | Cloudy. | Number of Days with Precipitation (Mid. to Mid.). Clear. (u) | Partly cloudy. (u) | Cloudy. (u) |
|---|---|---|---|---|---|---|---|---|---|
| 3.7 | 3.3 | 3.6 | 81 | 15 | 11 | 4 | 2 | 1 | 3 |

## MISCELLANEOUS PHENOMENA.

DATES OF—(MIDNIGHT TO MIDNIGHT).

| Frosts. Light. | Heavy. | Killing. | Thunderstorms. (v) | Winds. (32 miles or over.) | Solar Halos. | Lunar Halos. | Fog. Light. | Dense. | Haze. Light. | Dense. | Smoke. Light. | Dense. | Hail. | Aurora. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 14,15 | 0 | 0 | 28,29 6,12,21,24,25, | 0 | 17 5,9,12 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

## PRECIPITATION (in inches and hundredths). (m)

| Total amount | Greatest Amount in 24 Consecutive Hours. Amt. | Date. (k) | Excessive. 2.50 Inches in 24 Hours. (l) * Amt. | Duration. h. m. | Date. (k) | 1 Inch per Hour. (l) Amt. | Duration. h. m. | Date. (k) |
|---|---|---|---|---|---|---|---|---|
| 0.50 | 0.29 | 25 26 | — | — | — | — | — | — |

| Number of days with—(Mid. to Mid.). Trace. | .01 or more. | .04 or more. | .25 or more. | 1.00 or more. | Total. | Snow. Trace or more. | Snow. .01 or more melted. | Snow. Total Depth. (o) | Snow. Average Depth at End of Month. |
|---|---|---|---|---|---|---|---|---|---|
| 3 | 6 | 3 | 1 | 0 | 9 | 0 | 0 | 0 | 0 |

(w) Maximum precipitation in 5 minutes 0.18, date 25; 10 minutes 0.19, date 25; 15 minutes 0.19, date 25;

30 minutes 0.19, date 25; 1 hour 0.19, date 25; 2 hours 0.25, date 25.

## EXCESSIVE.

| Date. | Total Duration. From— | To— | Total amount of precipitation. | Excessive Rate. Began— | Ended— | Amt. before excessive began. |
|---|---|---|---|---|---|---|
| | | | none | | | |

| Accumulated Depths During Excessive Rate for Consecutive Periods of Time Indicated Below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | none | | | | | | | |

* The duration is the time precipitation was actually recorded.

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(6)

Prepared by R. E. Leamon

B S Whitlock Meteorologist., Weather Bureau.

ORIGINAL MONTHLY RECORD OF OBSERVATIONS at Fort Wayne, Ind., for the Month of JUN - 1933, 193

Number of Station barometer, 656; sum of corrections, -.052 inch.

SPECIAL OBSERVATIONS.

| Date. | Time. 75th mer. | Time. Local (standard). | Barometer. Attached thermometer | Barometer. Observed reading. | Barometer. Total correction. | Barometer. Station. (Observed reading plus total cor.) | Barometer. Reduced to sea-level. | Thermometers. Dry. | Thermometers. Wet. | Dew-point. | Depression of the dew-point. | Relative humidity. | Maximum thermometer. | Wind. Direction. | Wind. Velocity. † | Wind. Max. since last observation. | Wind. Direction. | Precipitation. †† | Clouds. Amt. | Clouds. Kind. | Clouds. Dir. from. | State of Weather. | Special Phenomena. | Initials of Observer. | Date. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | Pressure Extremes | | | | | | | | | | | | |
| 14 | 9 35 am | 8 35 am | | | | 29.370 | 30.31 | 54 | | | | | | | | | | | | | | | Highest | L.C.S. | 14 |
| 30 | 3 00 am | 2 00 am | | | | 28.850 | 29.74 | 79 | | | | | | | | | | | | | | | Lowest | L.C.S. | 30 |

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If additional space is required, rule a sheet similar to this, and paste to this margin.

Wind data corrected to true velocity.

† By dial when self-register is out of order.
†† T indicates trace of precipitation.

ORIGINAL MONTHLY RECORD OF OBSERVATIONS at Fort Wayne, Ind., for the Month of JUN - 1933, 193

Wind—Number of Miles and Length of Time From. (Standard of time in local use, 90 meridian.)

| DATE. | N. | | NE. | | E. | | SE. | | S. | | SW. | | W. | | NW. | | CALM. | | TOTAL. | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Miles. | Hours. | Miles. | Hours. | Miles. | Hours. | Miles. | Hours. | Miles. | Hours. | Miles. | Hours. | Miles. | Hours. | Miles. | Hours. | Miles. | Hours. | Miles. | Hours. |
| 1 | 6 | 2 | 14 | 6 | | | | | 6 | 1 | 7 | 1 | 7 | 1 | 74 | 12 | 1 | 1 | 115 | 24 |
| 2 | 10 | 3 | | | | | | | | | 35 | 4 | 115 | 13 | 26 | 4 | | | 186 | 24 |
| 3 | | | | | | | | | | | 8 | 1 | 140 | 12 | 85 | 11 | | | 233 | 24 |
| 4 | | | | | | | | | | | 166 | 15 | 40 | 4 | 27 | 5 | | | 233 | 24 |
| 5 | 11 | 2 | 12 | 2 | | | 7 | 1 | 36 | 5 | 79 | 11 | 14 | 2 | 6 | 1 | | | 165 | 24 |
| 6 | | | | | | | 9 | 1 | 37 | 5 | 81 | 11 | 27 | 4 | 22 | 3 | | | 176 | 24 |
| 7 | | | | | | | | | 15 | 2 | 230 | 22 | | | | | | | 245 | 24 |
| 8 | | | | | | | | | 29 | 2 | 218 | 22 | | | | | | | 247 | 24 |
| 9 | 5 | 1 | 31 | 7 | | | | | | | 28 | 4 | 18 | 3 | 71 | 9 | | | 153 | 24 |
| 10 | | | | | | | 56 | 13 | 45 | 8 | 21 | 3 | | | | | | | 122 | 24 |
| 11 | | | | | | | | | | | 175 | 20 | 44 | 4 | | | | | 219 | 24 |
| 12 | 120 | 12 | 20 | 2 | | | | | | | | | | | 136 | 10 | | | 276 | 24 |
| 13 | 88 | 9 | | | | | | | | | | | | | 168 | 15 | | | 256 | 24 |
| 14 | 157 | 20 | 16 | 2 | | | | | | | | | | | 13 | 2 | | | 186 | 24 |
| 15 | 21 | 5 | | | | | | | | | 185 | 15 | 54 | 4 | | | | | 260 | 24 |
| 16 | | | | | | | | | | | 134 | 16 | 94 | 7 | 9 | 1 | | | 237 | 24 |
| 17 | 26 | 4 | 53 | 7 | 40 | 5 | | | | | 32 | 8 | | | | | | | 151 | 24 |
| 18 | | | | | 43 | 8 | 36 | 5 | 10 | 2 | 14 | 2 | 16 | 5 | 6 | 2 | | | 125 | 24 |
| 19 | | | | | | | | | | | 19 | 5 | 85 | 13 | 51 | 6 | | | 155 | 24 |
| 20 | | | | | | | | | | | | | 165 | 22 | 24 | 2 | | | 189 | 24 |
| 21 | 38 | 6 | | | | | | | | | 47 | 6 | 129 | 10 | 28 | 2 | | | 242 | 24 |
| 22 | 31 | 6 | 98 | 12 | 45 | 6 | | | | | | | | | | | | | 174 | 24 |
| 23 | | | 25 | 3 | 140 | 17 | 38 | 4 | | | | | | | | | | | 203 | 24 |
| 24 | | | 29 | 7 | 41 | 7 | 8 | 1 | 26 | 3 | | | 44 | 6 | | | | | 148 | 24 |
| 25 | | | | | 20 | 2 | 13 | 2 | 78 | 11 | 19 | 2 | 36 | 5 | 22 | 2 | | | 188 | 24 |
| 26 | 22 | 3 | 27 | 7 | | | | | 28 | 6 | 6 | 1 | 16 | 2 | 38 | 5 | | | 137 | 24 |
| 27 | | | 7 | 2 | 7 | 1 | 21 | 3 | 22 | 3 | 27 | 5 | 47 | 7 | 9 | 2 | 1 | 1 | 141 | 24 |
| 28 | 9 | 1 | 34 | 7 | | | 20 | 6 | 6 | 1 | | | 49 | 6 | 21 | 3 | | | 139 | 24 |
| 29 | | | 22 | 5 | 26 | 4 | 111 | 11 | 26 | 3 | 9 | 1 | | | | | | | 194 | 24 |
| 30 | 6 | 1 | | | | | | | 20 | 2 | 29 | 2 | 126 | 10 | 65 | 9 | | | 246 | 24 |
| 31 | | | | | | | | | | | | | | | | | | | | |
| Sum, | 550 | 75 | 388 | 69 | 362 | 50 | 319 | 47 | 384 | 54 | 1569 | 177 | 1266 | 140 | 901 | 106 | 2 | 2 | 5,741 | 720 |
| Percentage, | 10 | 10 | 7 | 10 | 6 | 7 | 5 | 7 | 7 | 7 | 27 | 25 | 22 | 19 | 16 | 15 | 0 | 0 | a | a |
| Avg. Hourly Velocity, | 7.3 | a | 5.6 | a | 7.2 | a | 6.8 | a | 7.1 | a | 8.9 | a | 9.0 | a | 8.5 | a | 1.0 | a | 8.0 | a |

Wind data corrected to true velocity.

8—154

# ORIGINAL MONTHLY RECORD OF OBSERVATIONS at Fort Wayne, Ind., for the Month of JUL - 1933, 193

Number of Station barometer, 656; sum of corrections, -.052 inch.

OBSERVATIONS AT 8 A. M. 75TH MERIDIAN TIME, WHICH CORRESPONDS TO 7:00 A. M. 90 MERIDIAN TIME, THE STANDARD OF TIME IN LOCAL USE; 7:19 A. M. LOCAL MEAN TIME.

| Date. | Barometer. Attached thermometer. | Barometer. Observed reading. | Barometer. Total correction. | Barometer. Station. (Observed reading plus total cor.) (b) | Barometer. Reduced to sea-level. (b) | Thermometers. Dry. (b) | Thermometers. Wet. (b) | Dew-point. (b) | Relative humidity. (b) | Vapor pressure. (b) | Self-Reg. Ther's. Max. (b) | Self-Reg. Ther's. Min. (b) | Wind. Dir. | Wind. Velocity. (b) † | Wind. Max. during preceding 12 hours. | Wind. Dir. | Precipitation. Amt. at 8 a. m. (b) †† | Clouds. Amt. | Clouds. Kind. | Dir. from. | State of Weather. | Visibility. 8 a. m. | Visibility. Local noon. | Visibility. 8 p. m. | Initials of Observer: | Date. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | In. | | In. | In. | ° | ° | ° | % | In. | ° | ° | | Mi. | Mi. | | In. | | | | | | | | | |
| 1 | 84.5 | 29.150 | .199 | 28.951 | 29.84 | 76.7 | 72.0 | 70 | 80 | .732 | 86.3 | 73.7 | W | 8 | | | 0 | 1/8 sw | a Cu a St Cu | NW NW W | Cloudy | 6 | 6 | 7 | R.E.L. | 1 |
| 2 | 87.0 | 29.255 | .206 | 29.049 | 29.96 | 67.5 | 67.0 | 66 | 97 | .638 | 86.2 | 67.5 | NE | 9 | | | 1.58 | 10 | St | NE | mod. Rain | 5 | 8 | 8 | L.C.S. | 2 |
| 3 | 80.5 | 29.485 | .190 | 29.295 | 30.22 | 61.5 | 55.5 | 52 | 68 | .387 | 66.5 | 57.7 | NE | 12 | | | 0 | 0 | — | — | Clear | 8 | 8 | 7 | L.C.S. | 3 |
| 4 | 81.0 | 29.676 | .193 | 29.483 | 30.40 | 64.1 | 60.0 | 58 | 79 | .482 | 73.0 | 58.6 | E | 5 | | | 0 | 0 | — | — | Clear | 6 | 7 | 7 | R.E.L. | 4 |
| 5 | 79.5 | 29.574 | .188 | 29.386 | 30.31 | 66.3 | 57.8 | 52 | 60 | .387 | 77.9 | 59.5 | E | 4 | | | 0 | 0 | — | — | Clear | 7 | 7 | 8 | L.C.S. | 5 |
| 6 | 81.0 | 29.443 | .192 | 29.251 | 30.16 | 68.0 | 57.9 | 51 | 55 | .373 | 80.0 | 60.8 | SW | 6 | | | 0 | 3 | Ci Cu | W | Clear | 7 | 7 | 8 | L.C.S. | 6 |
| 7 | 80.0 | 29.322 | .188 | 29.134 | 30.03 | 71.3 | 61.3 | 55 | 56 | .432 | 85.0 | 65.7 | SW | 10 | | | 0 | 0 | — | — | Clear | 7 | 8 | 7 | L.C.S. | 7 |
| 8 | 81.5 | 29.216 | .192 | 29.024 | 29.91 | 71.0 | 68.2 | 67 | 87 | .661 | 85.1 | 69.1 | E | 4 | | | 0.19 | 6 4 | St Cu | E E | Cloudy | 6 | 7 | 6 | L.C.S. | 8 |
| 9 | 83.0 | 29.283 | .196 | 29.087 | 30.00 | 67.9 | 63.8 | 62 | 80 | .555 | 78.2 | 67.2 | NE | 8 | | | 0.56 | 10 | a St | N | Cloudy | 6 | 8 | 8 | B.B.W. | 9 |
| 10 | 79.5 | 29.297 | .187 | 29.110 | 30.02 | 66.4 | 61.0 | 58 | 74 | .482 | 78.0 | 63.2 | NE | 5 | | | 0 | 2 4 2 | Ci Cu a Cu Cu | W W NE | Cloudy | 6 | 7 | 7 | L.C.S. | 10 |
| 11 | 79.0 | 29.259 | .185 | 29.074 | 29.98 | 67.8 | 62.0 | 58 | 73 | .482 | 80.0 | 62.0 | NE | 8 | | | 0 | 0 | — | — | Clear | 6 | 8 | 7 | R.E.L. | 11 |
| 12 | 79.5 | 29.286 | .187 | 29.099 | 30.01 | 67.3 | 61.8 | 58 | 73 | .482 | 76.0 | 59.8 | NE | 9 | | | 0 | 2 5 | Ci St Ci Cu | W W | Pt Cloudy | 6 | 7 | 7 | L.C.S. | 12 |
| 13 | 79.0 | 29.272 | .185 | 29.087 | 30.00 | 68.3 | 61.2 | 57 | 67 | .465 | 82.6 | 63.1 | E | 5 | | | 0 | 0 | — | — | Clear | 6 | 7 | 6 | R.E.L. | 13 |
| 14 | 80.0 | 29.202 | .188 | 29.014 | 29.91 | 70.2 | 64.0 | 61 | 71 | .536 | 84.0 | 68.8 | S | 5 | | | 0 | 3 3 | Ci St Ci Cu a Cu | W W W | Part Cloudy | 6 | 6 | 6 | L.C.S. | 14 |
| 15 | 84.0 | 29.166 | .198 | 28.968 | 29.87 | 67.1 | 65.0 | 64 | 90 | .595 | 86.0 | 66.1 | NW | 6 | | | .10 | 9 | St Cu | NW | Cloudy | 6 | 8 | 8 | B.B.W. | 15 |
| 16 | 83.0 | 29.208 | .195 | 29.013 | 29.92 | 65.3 | 60.0 | 57 | 74 | .465 | 79.0 | 58.6 | NW | 7 | | | 0 | 1 | a Cu | ? | Clear | 8 | 8 | 8 | L.C.S. | 16 |
| 17 | 79.5 | 29.362 | .187 | 29.175 | 30.10 | 62.5 | 54.9 | 49 | 62 | .349 | 70.5 | 55.0 | NW | 6 | | | 0 | 0 | — | — | Clear | 7 | 7 | 7 | B.B.W. | 17 |
| 18 | 78.0 | 29.372 | .183 | 29.189 | 30.10 | 66.7 | 58.0 | 52 | 59 | .387 | 80.0 | 63.4 | N | 6 | | | 0 | 1 8 | Ci Ci St | W W | Cloudy | 7 | 7 | 7 | B.B.W. | 18 |
| 19 | 80.0 | 29.383 | .189 | 29.194 | 30.10 | 68.0 | 59.1 | 53 | 59 | .402 | 78.7 | 65.0 | SW | 7 | | | 0 | 0 | — | — | Clear | 7 | 6 | 6 | B.B.W. | 19 |
| 20 | 81.0 | 29.307 | .191 | 29.116 | 30.02 | 71.1 | 61.0 | 55 | 56 | .432 | 87.2 | 65.9 | SW | 7 | | | 0 | Few | Ci | ? | Clear | 7 | 7 | 7 | B.B.W. | 20 |
| 21 | 83.0 | 29.237 | .195 | 29.042 | 29.93 | 75.9 | 66.0 | 61 | 59 | .536 | 90.2 | 72.2 | SW | 9 | | | 0 | 7 W | a Cu | NW | Clear | 7 | 7 | 6 | B.B.W. | 21 |
| 22 | 85.0 | 29.290 | .201 | 29.089 | 29.98 | 78.0 | 70.0 | 66 | 67 | .638 | 91.0 | 72.9 | N | 2 | | | 0 | 2 | Ci | NW | Clear | 6 | 7 | 7 | B.B.W. | 22 |
| 23 | 89.0 | 29.368 | .212 | 29.156 | 30.06 | 78.2 | 68.1 | 63 | 60 | .575 | 92.9 | 73.8 | SW | 8 | | | 0 | 0 | — | — | Clear | 6 | 7 | 6 | B.B.W. | 23 |
| 24 | 85.0 | 29.456 | .202 | 29.254 | 30.16 | 71.0 | 70.0 | 70 | 95 | .732 | 78.1 | 70.2 | NE | 3 | | | 0.46 | 10 | St Ci | SE W | Lt Rain | 5 | 5 | 6 | B.B.W. | 24 |
| 25 | 78.0 | 29.430 | .184 | 29.246 | 30.18 | 62.0 | 57.0 | 54 | 74 | .417 | 67.2 | 59.1 | NE | 7 | | | 0 | 1 5 | St Cu | NE | Pt. Cloudy | 8 | 7 | 7 | B.B.W. | 25 |
| 26 | 78.5 | 29.340 | .184 | 29.156 | 30.08 | 63.1 | 60.0 | 58 | 84 | .482 | 72.5 | 60.9 | NE | 7 | | | 0 | 8 | a St | SW | Cloudy | 7 | 7 | 7 | B.B.W. | 26 |
| 27 | 78.0 | 29.286 | .183 | 29.102 | 30.01 | 67.0 | 61.0 | 57 | 71 | .465 | 75.6 | 58.2 | E | 2 | | | 0 | 1 2 | a Cu a St | W W | Clear | 6 | 7 | 7 | B.B.W. | 27 |
| 28 | 79.5 | 29.304 | .187 | 29.117 | 30.03 | 70.0 | 62.2 | 57 | 65 | .465 | 81.5 | 65.0 | S | 3 | | | 0 | Few | Ci | ? | Clear | 7 | 7 | 7 | B.B.W. | 28 |
| 29 | 82.0 | 29.359 | .193 | 29.166 | 30.07 | 75.0 | 71.3 | 70 | 83 | .732 | 83.0 | 71.5 | SW | 9 | | | 0 | 0 | — | — | Clear | 7 | 7 | 7 | L.C.S. | 29 |
| 30 | 84.0 | 29.332 | .199 | 29.133 | 30.03 | 76.1 | 71.5 | 70 | 80 | .732 | 82.5 | 73.3 | SW | 7 | | | 0 | 1 Few 3 Few | a Cu Cu Ci a Cu | W W SW SW | Clear | 8 | 8 | 8 | B.B.W. | 30 |
| 31 | 83.0 | 29.342 | .196 | 29.146 | 30.05 | 79.1 | 73.0 | 70 | 75 | .732 | 85.0 | 73.7 | SW | 9 | | | 0 | Few | Ci a Cu | W SW | Pt. Cldy. | 8 | 8 | 7 | B.B.W. | 31 |
| Sums | | (a) | (a) | 903.306 | 931.44 | 2150.4 | 1961.6 | 1851 | 2233 | 16.228 | (a) | (a) | (a) | 203 | (a) | (a) | 2.89 | 117 | (a) | (a) | (a) | (a) | (a) | (a) | (a) | (a) |
| Means | | (a) | (a) | 29.139 | 30.046 | 69.4 | 63.3 | 59.7 | 72.0 | .523 | (a) | (a) | (c) NE SW | 6.5 | (a) | (a) | (a) | 3.8 | U A. Cu. L Cu | U W L NE | (a) | (a) | (a) | (a) | (a) | (a) |

8—154 Reference letters in this form refer to paragraph 121, "Instructions for Preparing Meteorological Forms."

† By dial when self-register is out of order.
†† T indicates trace of precipitation.

Wind data corrected to true velocity.

U, upper clouds. L, lower clouds.

Use visibility scale in "Instructions for Preparing Meteorological Forms."

# ORIGINAL MONTHLY RECORD OF OBSERVATIONS at Fort Wayne, Ind., for the Month of JUL - 1933, 193

Number of Station barometer, 656; sum of corrections, -.052 inch.

OBSERVATIONS AT 8 P. M. 75TH MERIDIAN TIME, WHICH CORRESPONDS TO 7.00 P. M. 90 MERIDIAN TIME, THE STANDARD OF TIME IN LOCAL USE; 7.19 P. M. LOCAL MEAN TIME.

| Date. | Barometer. Attached thermometer. | Barometer. Observed reading. | Barometer. Total correction. | Barometer. Station. (Observed reading plus total cor.) (b) | Barometer. Reduced to sea-level. (b) | Thermometers. Dry. (b) | Thermometers. Wet. (b) | Dew-point. (b) | Relative humidity. (b) | Vapor pressure. (b) | Self-Reg. Ther's. Max. (b) | Self-Reg. Ther's. Min. (b) | Wind. Dir. | Wind. Velocity. (b) † | Wind. Max. during preceding 12 hours. | Wind. Dir. | Precipitation. Amt. at 8 p. m. (b) †† | Clouds. Amt. | Clouds. Kind. | Clouds. Dir. from. | State of Weather. | Fog, Mid. to Mid. (Local standard time.) Light (f). Began. | Light (f). Ended. | Dense (f). Began. | Dense (f). Ended. | Initials of observer. | Date. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | In. | | In. | In. | ° | ° | ° | % | In. | ° | ° | | Mi. | Mi. | | In. | | | | | | | | | | |
| 1 | 89.0 | 29.162 | .211 | 28.951 | 29.84 | 86.2 | 71.0 | 64 | 48 | .595 | 89.7 | 76.7 | W | 9 | | | 0 | 2 | acu | W | Clear | | | | | L.C.S. | 1 |
| | | | | | | | | | | | | | | | | | | 1 | cu | W | | | | | | | |
| 2 | 86.0 | 29.284 | .204 | 29.080 | 30.00 | 66.5 | 61.0 | 58 | 73 | .482 | 80.3 | 66.5 | NE | 11 | | | 0.40 | 1 | acu | W | Clear | | | | | L.C.S. | 2 |
| | | | | | | | | | | | | | | | | | | 1 | cu | NE | | | | | | | |
| 3 | 83.0 | 29.567 | .197 | 29.370 | 30.30 | 73.0 | 62.5 | 56 | 56 | .448 | 76.2 | 61.5 | NE | 10 | | | 0 | 0 | — | — | Clear | | | | | R.E.L. | 3 |
| 4 | 83.0 | 29.574 | .197 | 29.377 | 30.30 | 77.9 | 61.0 | 49 | 37 | .347 | 80.0 | 64.1 | E | 6 | | | 0 | 0 | — | — | Clear | | | | | B.B.W. | 4 |
| 5 | 83.0 | 29.436 | .197 | 29.239 | 30.15 | 80.0 | 60.0 | 45 | 29 | .298 | 82.5 | 66.3 | SE | 5 | | | 0 | 2 | ci | SE | Clear | | | | | B.B.W. | 5 |
| 6 | 84.5 | 29.330 | .200 | 29.130 | 30.04 | 85.0 | 62.9 | 48 | 28 | .334 | 87.8 | 68.0 | W | 5 | | | 0 | 0 | — | — | Clear | | | | | B.B.W. | 6 |
| 7 | 86.0 | 29.214 | .203 | 29.011 | 29.90 | 85.1 | 67.1 | 57 | 39 | .465 | 90.1 | 71.3 | W | 6 | | | 0 | 9 | ast | W | Cloudy | | | | | B.B.W. | 7 |
| 8 | 84.0 | 29.200 | .198 | 29.002 | 29.90 | 78.2 | 73.0 | 71 | 78 | .757 | 86.0 | 71.0 | W | 4 | | | T | 1 | ast | P | | | | | | | |
| | | | | | | | | | | | | | | | | | | 9 | st cu | NW | Cloudy | | | | | B.B.W. | 8 |
| | | | | | | | | | | | | | | | | | | few | ci | P | | | | | | | |
| 9 | 85.0 | 29.290 | .201 | 29.089 | 30.00 | 78.0 | 63.9 | 56 | 46 | .448 | 82.2 | 67.4 | NE | 6 | | | 0 | few | cu | P | Clear | | | | | B.B.W. | 9 |
| | | | | | | | | | | | | | | | | | | 2 | ci | N | | | | | | | |
| 10 | 84.0 | 29.212 | .198 | 29.014 | 29.91 | 80.0 | 63.8 | 54 | 41 | .417 | 84.2 | 66.4 | NE | 6 | | | 0 | few | acu | P | Clear | | | | | R.E.L. | 10 |
| 11 | 83.0 | 29.274 | .196 | 29.078 | 29.99 | 76.0 | 60.8 | 51 | 41 | .373 | 82.2 | 67.8 | E | 9 | | | 0 | 5 | ci cu | W | P+ Cloudy | | | | | L.C.S. | 11 |
| | | | | | | | | | | | | | | | | | | 1 | acu | W | | | | | | | |
| | | | | | | | | | | | | | | | | | | 1 | cu | E | | | | | | | |
| 12 | 84.0 | 29.242 | .198 | 29.044 | 29.94 | 82.6 | 63.1 | 50 | 33 | .360 | 86.0 | 67.3 | NE | 6 | | | 0 | few | ci cu | P | Clear | | | | | R.E.L. | 12 |
| 13 | 85.0 | 29.200 | .201 | 28.999 | 29.90 | 84.0 | 65.0 | 53 | 35 | .402 | 88.0 | 68.3 | SE | 5 | | | 0 | 4 | ci | W | Cloudy | | | | | L.C.S. | 13 |
| | | | | | | | | | | | | | | | | | | 3 | ci cu | W | | | | | | | |
| | | | | | | | | | | | | | | | | | | 3 | st | SE | | | | | | | |
| 14 | 86.5 | 29.098 | .204 | 28.894 | 29.78 | 86.0 | 66.0 | 54 | 34 | .417 | 91.7 | 70.2 | SE | 7 | | | 0 | 6 | ci | W | Cloudy | | | | | L.C.S. | 14 |
| | | | | | | | | | | | | | | | | | | 1 | ci cu | W | | | | | | | |
| | | | | | | | | | | | | | | | | | | 3 | st | SE | | | | | | | |
| 15 | 86.0 | 29.144 | .203 | 28.941 | 29.84 | 79.0 | 63.0 | 53 | 41 | .402 | 86.5 | 67.1 | NW | 9 | | | 0 | 1 | ci | W | P+ Cloudy | | | | | L.C.S. | 15 |
| | | | | | | | | | | | | | | | | | | 2 | acu | W | | | | | | | |
| | | | | | | | | | | | | | | | | | | 1 | cu | NW | | | | | | | |
| 16 | 85.0 | 29.282 | .201 | 29.081 | 29.99 | 70.5 | 57.0 | 46 | 42 | .310 | 75.8 | 65.3 | NW | 12 | | | T | 1 | acu | ? | Clear | | | | | L.C.S. | 16 |
| 17 | 83.5 | 29.316 | .197 | 29.119 | 30.03 | 80.0 | 61.8 | 50 | 35 | .360 | 82.8 | 62.5 | NW | 6 | | | 0 | 1 | ci cu | ? | Clear | | | | | L.C.S. | 17 |
| 18 | 84.0 | 29.373 | .199 | 29.174 | 30.08 | 78.7 | 64.0 | 55 | 44 | .432 | 88.0 | 66.7 | NE | 4 | | | T | 1 | ci | W | Cloudy | | | | | L.C.S. | 18 |
| | | | | | | | | | | | | | | | | | | 3 | acu | W | | | | | | | |
| | | | | | | | | | | | | | | | | | | 4 | cu | NE | | | | | | | |
| 19 | 86.0 | 29.284 | .204 | 29.080 | 29.98 | 87.2 | 65.0 | 51 | 29 | .373 | 90.3 | 68.0 | W | 5 | | | 0 | 1 | ci st | ? | Clear | | | | | L.C.S. | 19 |
| 20 | 88.0 | 29.220 | .208 | 29.012 | 29.90 | 90.2 | 69.2 | 58 | 34 | .482 | 93.2 | 71.1 | NW | 5 | | | 0 | 1 | cu | ? | Clear | | | | | L.C.S. | 20 |
| | | | | | | | | | | | | | | | | | | 2 | ci | W | | | | | | | |
| 21 | 90.0 | 29.207 | .214 | 28.993 | 29.88 | 91.0 | 70.2 | 59 | 35 | .499 | 94.2 | 75.9 | NW | 5 | | | 0 | 2 | cu | NW | P+ Cloudy | | | | | L.C.S. | 21 |
| 22 | 91.5 | 29.294 | .218 | 29.076 | 29.97 | 92.9 | 71.9 | 62 | 35 | .555 | 97.9 | 78.0 | NE | 4 | | | 0 | 4 | ci cu | N | P+ Cloudy | | | | | P.a.L. | 22 |
| 23 | 91.5 | 29.342 | .218 | 29.124 | 30.02 | 78.1 | 71.6 | 69 | 73 | .707 | 98.2 | 78.1 | N | 14 | | | .01 | 10 | st cu | W | Cloudy | | | | | P.a.L. | 23 |
| | | | | | | | | | | | | | | | | | | 4 | ci st | E | | | | | | | |
| 24 | 79.5 | 29.436 | .188 | 29.248 | 30.18 | 67.0 | 64.0 | 62 | 85 | .555 | 71.5 | 64.3 | NE | 5 | | | .09 | 2 | acu | E | Cloudy | | | | | L.C.S. | 24 |
| | | | | | | | | | | | | | | | | | | 3 | st cu | NE | | | | | | | |
| | | | | | | | | | | | | | | | | | | 4 | ci | W | | | | | | | |
| 25 | 81.0 | 29.354 | .191 | 29.163 | 30.08 | 72.5 | 64.0 | 60 | 63 | .517 | 76.0 | 62.0 | NE | 5 | | | 0 | 4 | ci st | W | Cloudy | | | | | L.C.S. | 25 |
| 26 | 84.0 | 29.271 | .191 | 29.080 | 29.99 | 75.6 | 61.3 | 52 | 44 | .387 | 78.9 | 63.1 | E | 5 | | | 0 | 2 | ci | W | | | | | | | |
| | | | | | | | | | | | | | | | | | | 2 | ci st | W | P+ Cloudy | | | | | L.C.S. | 26 |
| 27 | 83.0 | 29.235 | .195 | 29.040 | 29.94 | 81.5 | 64.0 | 54 | 38 | .417 | 87.0 | 67.0 | S | 7 | | | 0 | 1 | acu | ? | Clear | | | | | L.C.S. | 27 |
| 28 | 85.0 | 29.277 | .201 | 29.076 | 29.99 | 83.0 | 72.0 | 67 | 58 | .661 | 88.0 | 70.0 | SW | 9 | | | 0 | few | acu | ? | Clear | | | | | L.C.S. | 28 |
| | | | | | | | | | | | | | | | | | | few | ci | ? | | | | | | | |
| 29 | 85.5 | 29.178 | .203 | 29.075 | 29.98 | 82.5 | 72.5 | 68 | 62 | .684 | 90.8 | 75.0 | SW | 9 | | | 0 | 1 | cu | SW | Clear | | | | | L.C.S. | 29 |
| 30 | 87.5 | 29.283 | .208 | 29.075 | 29.98 | 85.0 | 74.9 | 71 | 63 | .757 | 89.1 | 76.1 | SW | 8 | | | 0 | 1 | ci | NW | Clear | | | | | L.C.S. | 30 |
| | | | | | | | | | | | | | | | | | | 1 | cu | W | | | | | | | |
| 31 | 88.0 | 29.275 | .209 | 29.066 | 29.97 | 85.7 | 75.7 | 72 | 63 | .783 | 91.5 | 79.1 | S | 8 | | | T | 2 | ci cu | W | Pt. Cldy | | | | | L.C.S. | 31 |
| | | | | | | | | | | | | | | | | | | 1 | cu | S | | | | | | | |
| Sums | (a) | (a) | | 901.701 | 929.75 | 2498.9 | 2043.2 | 1775 | 1462 | 15.024 | (a) | (a) | (a) | 215 | (a) | (a) | 0.50 | 49 | (a) | (a) | (a) | (a) | (a) | (a) | (a) | (a) | (a) | |
| Means | (a) | (a) | | 29.087 | 29.992 | 80.6 | 65.9 | 57.3 | 47.2 | .485 | (a) | (a) | (c) NE | 6.9 | (a) | (a) | (a) | 3.8 | U Cu L Cu | U W L NE-W-NW | (a) | (a) | (a) | (a) | (a) | (a) | (a) | |

Observations are begun about 7.40 o'clock, 75th meridian time.

† By dial when self-register is out of order.

†† T indicates trace of precipitation.

Wind data corrected to true velocity.

U, upper clouds. L, lower clouds.

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# ORIGINAL MONTHLY RECORD OF OBSERVATIONS at Fort Wayne, Ind., for the Month of JUL 1933, 193

| Date. | TEMPERATURE. Maximum. (b) | Minimum (b) | Range. (b) | Change. (b) | Mean (max. and min.). (b) | Normal. | Departure. | Total excess or deficiency since 1st of month. | PRECIPITATION. Character. ‡ | Beginning. | Ending. | Character ‡ | Beginning. | Ending. | Character. ‡ | Beginning. | Ending. | Character. ‡ | Beginning. | Ending. | Total (mid. to mid.). (b)†† | Normal. | Departure. | Total excess or deficiency since 1st of month. | Hail and sleet unmelted. 7 p. m. to 7 p. m. *‡‡ | Snow unmelted. 7 p.m. to 7 p.m. *‡‡ | Hail, sleet, and snow on ground at 7 p.m. *‡‡ | Amount of precipitation from melted snow (mid. to mid.). | Date. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | ° | ° | ° | ° | ° | | | | | | | | | | | | | | | | In. | | | | In. | In. | In. | In. | |
| Saturday 1 | 90 | 74 | 16 | 0 | 82 | | | | | | | | | | | | | | | | 0 | .10 | -.10 | -.10 | 0 | 0 | 0 | 0 | 1 |
| 2 | 80 | 63 | 17 | 10 | 72 | | | | | | | | | | | | | | | | 1.98 | .10 | +1.88 | +1.78 | 0 | 0 | 0 | 0 | 2 R |
| 3 | 76 | 58 | 18 | 5 | 67 | | | | | | | | | | | | | | | | 0 | .11 | -.11 | +1.67 | 0 | 0 | 0 | 0 | 3 |
| 4 | 80 | 59 | 21 | 3 | 70 | | | | | | | | | | | | | | | | 0 | .12 | -.12 | +1.55 | 0 | 0 | 0 | 0 | 4 |
| 5 | 82 | 60 | 22 | 1 | 71 | | | | | | | | | | | | | | | | 0 | .12 | -.12 | +1.43 | 0 | 0 | 0 | 0 | 5 |
| 6 | 88 | 61 | 27 | 3 | 74 | | | | | | | | | | | | | | | | 0 | .12 | -.12 | +1.31 | 0 | 0 | 0 | 0 | 6 |
| 7 | 90 | 66 | 24 | 4 | 78 | | | | | | | | | | | | | | | | 0 | .13 | -.13 | +1.18 | 0 | 0 | 0 | 0 | 7 |
| 8 | 86 | 69 | 17 | 0 | 78 | | | | | | | | | | | | | | | | 0.19 | .13 | +.06 | +1.24 | 0 | 0 | 0 | 0 | 8 |
| 9 | 82 | 67 | 15 | 4 | 74 | | | | | | | | | | | | | | | | 0.56 | .12 | +.44 | +1.68 | 0 | 0 | 0 | 0 | 9 |
| 10 | 84 | 63 | 21 | 0 | 74 | | | | | | | | | | | | | | | | 0 | .12 | -.12 | +1.56 | 0 | 0 | 0 | 0 | 10 |
| 11 | 82 | 62 | 20 | 2 | 72 | | | | | | | | | | | | | | | | 0 | .13 | -.13 | +1.43 | 0 | 0 | 0 | 0 | 11 |
| 12 | 86 | 60 | 26 | 1 | 73 | | | | | | | | | | | | | | | | 0 | .14 | -.14 | +1.29 | 0 | 0 | 0 | 0 | 12 |
| 13 | 88 | 63 | 25 | 3 | 76 | | | | | | | | | | | | | | | | 0 | .15 | -.15 | +1.14 | 0 | 0 | 0 | 0 | 13 |
| 14 | 92 | 69 | 23 | 4 | 80 | | | | | | | | | | | | | | | | 0 | .14 | -.14 | +1.00 | 0 | 0 | 0 | 0 | 14 |
| 15 | 86 | 65 | 21 | 4 | 76 | | | | | | | | | | | | | | | | .10 | .14 | -.04 | +.96 | 0 | 0 | 0 | 0 | 15 |
| 16 | 76 | 59 | 17 | 8 | 68 | | | | | | | | | | | | | | | | T | .12 | -.12 | +.84 | 0 | 0 | 0 | 0 | 16 |
| 17 | 83 | 55 | 28 | 1 | 69 | | | | | | | | | | | | | | | | 0 | .10 | -.10 | +.74 | 0 | 0 | 0 | 0 | 17 |
| 18 | 88 | 63 | 25 | 7 | 76 | | | | | | | | | | | | | | | | T | .10 | -.10 | +.64 | 0 | 0 | 0 | 0 | 18 |
| 19 | 90 | 65 | 25 | 2 | 78 | | | | | | | | | | | | | | | | 0 | .10 | -.10 | +.54 | 0 | 0 | 0 | 0 | 19 |
| 20 | 93 | 66 | 27 | 2 | 80 | | | | | | | | | | | | | | | | 0 | .10 | -.10 | +.44 | 0 | 0 | 0 | 0 | 20 |
| 21 | 94 | 72 | 22 | 3 | 83 | | | | | | | | | | | | | | | | 0 | .10 | -.10 | +.34 | 0 | 0 | 0 | 0 | 21 |
| 22 | 98 | 73 | 25 | 3 | 86 | | | | | | | | | | | | | | | | 0 | .10 | -.10 | +.24 | 0 | 0 | 0 | 0 | 22 |
| 23 | 98 | 72 | 26 | 1 | 85 | | | | | | | | | | | | | | | | 0.17 | .10 | +.07 | +.31 | 0 | 0 | 0 | 0 | 23 R |
| 24 | 72 | 64 | 8 | 17 | 68 | | | | | | | | | | | | | | | | 0.39 | .10 | +.29 | +.60 | 0 | 0 | 0 | 0 | 24 R |
| 25 | 76 | 59 | 17 | 0 | 68 | | | | | | | | | | | | | | | | 0 | .11 | -.11 | +.49 | 0 | 0 | 0 | 0 | 25 |
| 26 | 79 | 61 | 18 | 2 | 70 | | | | | | | | | | | | | | | | 0 | .10 | -.10 | +.38 | 0 | 0 | 0 | 0 | 26 |
| 27 | 87 | 58 | 29 | 2 | 72 | | | | | | | | | | | | | | | | 0 | .10 | -.10 | +.29 | 0 | 0 | 0 | 0 | 27 |
| 28 | 88 | 65 | 23 | 4 | 76 | | | | | | | | | | | | | | | | 0 | .11 | -.11 | +.18 | 0 | 0 | 0 | 0 | 28 |
| 29 | 91 | 72 | 19 | 6 | 82 | | | | | | | | | | | | | | | | 0 | .12 | -.12 | +.06 | 0 | 0 | 0 | 0 | 29 |
| 30 | 89 | 73 | 16 | 1 | 81 | | | | | | | | | | | | | | | | 0 | .13 | -.13 | -.07 | 0 | 0 | 0 | 0 | 30 |
| 31 | 92 | 74 | 18 | 2 | 83 | | | | | | | | | | | | | | | | T | .14 | -.14 | -.21 | 0 | 0 | 0 | 0 | 31 R |
| S | 2666 | 2010 | 656 | 105 | 2342 | | Total excess or deficiency since Jan. 1, | | (a) | (a) | (a) | (a) | (a) | (a) | (a) | (a) | (a) | (a) | (a) | (a) | 3.39 | 3.60 | Total excess or deficiency since Jan. 1, | 0 | 0 | (a) | (a) | (a) | |
| M | 86.0 | 64.8 | 21.2 | 3.4 | (a) 254 | (a) | ---------- | | (a) | (a) | (a) | (a) | (a) | (a) | (a) | (a) | (a) | (a) | (a) | (a) | (a) | (a) | -0.56 | (a) | (a) | (a) | (a) | (a) | |

All data are in the standard of time in local use. ‡ Use the following abbreviations: R—rain, $S^d$—dry snow, $S^m$—moist snow, H—hail, Sl—sleet. †† T indicates trace of precipitation. ‡‡ Enter the local standard time of observation. * Inches and tenths



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# SUMMARY FOR THE MONTH OF JUL - 1933, 193

The 8 a. m. and 8 p. m. means of pressure, dry and wet thermometers, dew-point, humidity, vapor pressure, and mean cloudiness are in 75th meridian time. All other data are in the standard of time in local use.

## PRESSURE.

(Correction to reduce to a 24-hour mean -.003)

### STATION.

| Mean. 8 a. m. | Mean. 8 p. m. | Mean. Monthly. (g) | Highest. (h) | Date. | Lowest. (h) | Date. | Absolute range. |
|---|---|---|---|---|---|---|---|
| 29.139 | 29.087 | 29.113 | 29.540 | 4 | 28.870 | 14 | 0.630 |
| Corrected mean.... | | 29.110 | | | | | |

### REDUCED.

| Mean. 8 a. m. | Mean. 8 p. m. | Mean. Monthly. (g) | Highest. (h) | Date. | Lowest. (h) | Date. | Absolute range. |
|---|---|---|---|---|---|---|---|
| 30.046 | 29.992 | 30.019 | 30.42 | 4 | 29.76 | 14 | 0.66 |
| Corrected mean.... | | 30.016 | | | | | |

## TEMPERATURE.

### MEAN.

| Dry. 8 a. m. | Dry. 8 p. m. | Dry. (8+8)÷2 (g) | Wet. 8 a. m. | Wet. 8 p. m. | Wet. Monthly. (g) | Max. | Min. | Monthly. (g) |
|---|---|---|---|---|---|---|---|---|
| 69.4 | 80.6 | 75.0 | 63.3 | 65.9 | 64.6 | 86.0 | 64.8 | 75.4 |

| Highest. (i) | Date. (i) | Lowest. (i) | Date. (i) | Absolute range. | Greatest daily range. (i) | Date. (i) | Least daily range. (i) | Date. (i) |
|---|---|---|---|---|---|---|---|---|
| 98 | 23 | 55 | 17 | 43 | 29 | 27 | 8 | 24 |

| Dew-point. 8 a. m. | Dew-point. 8 p. m. | Dew-point. Monthly. (g) | Relative Humidity. 8 a. m. | Relative Humidity. 8 p. m. | Relative Humidity. Monthly. (g) | Vapor Pressure. 8 a. m. | Vapor Pressure. 8 p. m. | Vapor Pressure. Monthly. (g) |
|---|---|---|---|---|---|---|---|---|
| 59.7 | 57.3 | 58.5 | 72.0 | 47.2 | 59.6 | .523 | .485 | .504 |

| Number of days with—(j) Maximum. 32° or below. | Maximum. 90° or above. | Minimum. 32° or below. | Minimum. Zero or below. |
|---|---|---|---|
| 0 | 9 | 0 | 0 |

### CLOUDS.

Most frequent clouds.... a Cu

Most frequent direction upper clouds.... W

Most frequent direction lower clouds.... W

## WIND.

(Wind data corrected to true velocity.)

| Total movement (mid. to mid.). | Average hourly velocity. | Prevailing direction. (p) | Maximum velocity. (r) | Direction. (r) | Date. (r) |
|---|---|---|---|---|---|
| 5413 | 7.3 | NE | 21 | NE | 2 |

| Number of Times Wind Observed from the— N. | NE. | E. | SE. | S. | SW. | W. | NW. | Calm. |
|---|---|---|---|---|---|---|---|---|
| 3 | 18 | 8 | 3 | 4 | 12 | 6 | 8 | 0 |

## WEATHER.

| Mean Cloudiness. 8 a. m. | 8 p. m. | Monthly. (t) | Sunshine. Percentage of possible. | Number of Days. Clear. | Partly cloudy. | Cloudy. |
|---|---|---|---|---|---|---|
| 3.8 | 3.8 | 4.3 | 78 | 14 | 13 | 4 |

| Number of Days with Precipitation (Mid. to Mid.). Clear. (u) | Partly cloudy. (u) | Cloudy. (u) |
|---|---|---|
| 0 | 3 | 3 |

## MISCELLANEOUS PHENOMENA.

DATES OF—(MIDNIGHT TO MIDNIGHT).

| Frosts. Light. | Heavy. | Killing. | Thunderstorms. (v) | Winds. (32 miles or over.) | Solar Halos. | Lunar Halos. | Fog. Light. | Dense. | Haze. Light. | Dense. | Smoke. Light. | Dense. | Hail. | Aurora. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 0 | 0 | 2, 23, 24, 31 | 0 | 7, 14 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

## PRECIPITATION (in inches and hundredths). (m)

| Total amount | Greatest Amount in 24 Consecutive Hours. Amt. | Date. (k) | Excessive. 2.50 Inches in 24 Hours. (l) * Amt. | Duration. h. m. | Date. (k) | 1 Inch per Hour. (l) Amt. | Duration. h. m. | Date. (k) |
|---|---|---|---|---|---|---|---|---|
| 3.39 | 1.98 | 2 | 0 | — | — | 0 | — | — |

| Number of days with—(Mid. to Mid.). Trace. | .01 or more. | .04 or more. | .25 or more. | 1.00 or more. | Total. | Snow. Trace or more. | Snow. .01 or more melted. | Snow. Total Depth. (o) | Snow. Average Depth at End of Month. |
|---|---|---|---|---|---|---|---|---|---|
| 3 | 6 | 6 | 3 | 1 | 9 | 0 | 0 | 0 | 0 |

(w) Maximum precipitation in 5 minutes .17, date 9; 10 minutes .24, date 9; 15 minutes .32, date 2.

30 minutes .53, date 9; 1 hour .83, date 2; 2 hours 1.05, date 2.

## EXCESSIVE.

| Date. | Total Duration. From— | To— | Total amount of precipitation. | Excessive Rate. Began— | Ended— | Amt. before excessive began. | Accumulated Depths During Excessive Rate for Consecutive Periods of Time Indicated Below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2 | D.N.a. | 8 59 a | 1.98 | 4 45 a | 5 37 a | 0.54 | .09 | .18 | .25 | .41 | .46 | .50 | .54 | .60 | .73 | .77 | .83 | .86 | .96 | 1.05 |
| 9 | D.N.a | D.N.a | 0.56 | 1 43 a | 2 13 a | 0.01 | .05 .04 | .21 | .28 | .34 | .44 | .52 | .54 | .55 | .55 | .55 | .55 | .55 | .55 | .55 |

* The duration is the time precipitation was actually recorded.

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(6)

Prepared by ....

B. A. Whitten Meteorologist, Weather Bureau.

ORIGINAL MONTHLY RECORD OF OBSERVATIONS at Fort Wayne, Ind., for the Month of JUL - 1933, 193

Number of Station barometer, 656; sum of corrections, -.052 inch.

| Date. | SPECIAL OBSERVATIONS. | | | | | | | | | | | | | | | | | | | | | | Date. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Time. | | Barometer. | | | | | Thermometers. | | Dew-point. | Depression of the dew-point. | Relative humidity. | Maximum thermometer. | Wind. | | | | Precipitation. †† | Clouds. | | | State of Weather. | Special Phenomena. | Initials of Observer. | |
| | 75th mer. | Local (standard). | Attached thermometer | Observed reading. | Total correction. | Station. (Observed reading plus total cor.) | Reduced to sea-level. | Dry. | Wet. | | | | | Direction. | Velocity. † | Max. since last observation. | Direction. | | Amt. | Kind. | Dir. from. | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | |

# ORIGINAL MONTHLY RECORD OF OBSERVATIONS at Fort Wayne, Ind., for the Month of JUL - 1933, 193

*Wind—Number of Miles and Length of Time From.* (Standard of time in local use, 90 meridian.)

| DATE. | N. | | NE. | | E. | | SE. | | S. | | SW. | | W. | | NW. | | CALM. | | TOTAL. | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Miles. | Hours. | Miles. | Hours. | Miles. | Hours. | Miles. | Hours. | Miles. | Hours. | Miles. | Hours. | Miles. | Hours. | Miles. | Hours. | Miles. | Hours. | Miles. | Hours. |
| 1 | | | | | | | | | | | 68 | 9 | 57 | 8 | 56 | 7 | | | 181 | 24 |
| 2 | 17 | 2 | 165 | 14 | 9 | 1 | 36 | 3 | 17 | 2 | 6 | 1 | | | 3 | 1 | | | 253 | 24 |
| 3 | | | 200 | 18 | 57 | 6 | | | | | | | | | | | | | 257 | 24 |
| 4 | | | 6 | 1 | 175 | 23 | | | | | | | | | | | | | 181 | 24 |
| 5 | | | 19 | 3 | 66 | 14 | 19 | 6 | | | | | | | | | 1 | 1 | 105 | 24 |
| 6 | | | | | | | 14 | 5 | 12 | 2 | 56 | 7 | 52 | 8 | | | 2 | 2 | 136 | 24 |
| 7 | | | | | | | | | 39 | 6 | 106 | 12 | 61 | 6 | | | | | 206 | 24 |
| 8 | | | | | 3 | 1 | 5 | 1 | 13 | 2 | 36 | 5 | 82 | 12 | 18 | 3 | | | 157 | 24 |
| 9 | | | 93 | 11 | 77 | 11 | | | | | | | 10 | 2 | | | | | 180 | 24 |
| 10 | | | 81 | 12 | 79 | 12 | | | | | | | | | | | | | 160 | 24 |
| 11 | | | 146 | 17 | 45 | 7 | | | | | | | | | | | | | 191 | 24 |
| 12 | | | 103 | 15 | 61 | 9 | | | | | | | | | | | | | 164 | 24 |
| 13 | | | | | 54 | 10 | 89 | 14 | | | | | | | | | | | 143 | 24 |
| 14 | 15 | 2 | 5 | 1 | | | 51 | 7 | 54 | 10 | 12 | 2 | | | 23 | 2 | | | 160 | 24 |
| 15 | 20 | 4 | 13 | 2 | | | | | | | | | | | 149 | 18 | | | 182 | 24 |
| 16 | | | | | | | | | | | | | | | 195 | 24 | | | 195 | 24 |
| 17 | | | | | | | | | | | | | 61 | 7 | 77 | 16 | 1 | 1 | 139 | 24 |
| 18 | 18 | 5 | 28 | 4 | | | 24 | 4 | 8 | 1 | 38 | 4 | 35 | 4 | 6 | 2 | | | 157 | 24 |
| 19 | | | | | | | 9 | 1 | 57 | 9 | 34 | 4 | 72 | 10 | | | | | 172 | 24 |
| 20 | | | | | | | | | 35 | 6 | 7 | 1 | 73 | 10 | 23 | 7 | | | 138 | 24 |
| 21 | 24 | 5 | | | | | | | | | 33 | 4 | 70 | 7 | 52 | 8 | | | 179 | 24 |
| 22 | 28 | 9 | 11 | 2 | 14 | 3 | | | | | 6 | 1 | 41 | 6 | 17 | 2 | 1 | 1 | 118 | 24 |
| 23 | 37 | 6 | 26 | 4 | 8 | 2 | | | | | 58 | 6 | 47 | 4 | 23 | 2 | | | 199 | 24 |
| 24 | | | 153 | 22 | 5 | 1 | | | 4 | 1 | | | | | | | | | 162 | 24 |
| 25 | | | 162 | 23 | 7 | 1 | | | | | | | | | | | | | 169 | 24 |
| 26 | | | 98 | 13 | 58 | 9 | | | | | | | | | | | 2 | 2 | 158 | 24 |
| 27 | | | 23 | 4 | 25 | 9 | 6 | 1 | 51 | 8 | | | | | | | 2 | 2 | 107 | 24 |
| 28 | | | | | | | 18 | 2 | 102 | 16 | 45 | 6 | | | | | | | 165 | 24 |
| 29 | | | | | | | | | 9 | 1 | 175 | 16 | 71 | 7 | | | | | 255 | 24 |
| 30 | | | | | | | | | | | 173 | 18 | 60 | 6 | | | | | 233 | 24 |
| 31 | | | | | | | | | 72 | 8 | 94 | 11 | 45 | 5 | | | | | 211 | 24 |
| Sum, | 159 | 33 | 1332 | 166 | 743 | 119 | 271 | 44 | 473 | 72 | 947 | 107 | 837 | 102 | 642 | 92 | 9 | 9 | 5413 | 744 |
| Percentage, | 3 | 5 | 25 | 22 | 14 | 16 | 5 | 6 | 9 | 10 | 17 | 14 | 15 | 14 | 12 | 12 | 0 | 1 | a | a |
| Avg. Hourly Velocity, | 4.8 | a | 8.0 | a | 6.2 | a | 6.2 | a | 6.6 | a | 8.9 | a | 8.2 | a | 7.0 | a | 1.0 | a | 7.3 | a |

Wind data corrected to true velocity.

# ORIGINAL MONTHLY RECORD OF OBSERVATIONS at Fort Wayne, Ind., for the Month of AUG 1933, 193

Number of Station barometer, 6 5 6; sum of corrections, −.0 5 2 inch.

OBSERVATIONS AT 8 A. M. 75TH MERIDIAN TIME, WHICH CORRESPONDS TO 7:00 A. M. 90 MERIDIAN TIME, THE STANDARD OF TIME IN LOCAL USE; 7:19 A. M. LOCAL MEAN TIME.

| Date. | Barometer. Attached thermometer. | Barometer. Observed reading. | Barometer. Total correction. | Barometer. Station. (Observed reading plus total cor.) (b) | Barometer. Reduced to sea-level. (b) | Thermometers. Dry. (b) | Thermometers. Wet. (b) | Dew-point. (b) | Relative humidity. (b) | Vapor pressure. (b) | Self-Reg. Ther's. Max. (b) | Self-Reg. Ther's. Min. (b) | Wind. Dir. | Wind. Velocity. (b) † | Wind. Max. during preceding 12 hours. | Wind. Dir. | Precipitation. Amt. at 8 a. m. (b) †† | Clouds. Amt. | Clouds. Kind. | Dir. from. | State of Weather. | Visibility. 8 a. m. | Visibility. Local noon. | Visibility. 8 p. m. | Initials of Observer: | Date. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | In. | | In. | In. | ° | ° | ° | % | In. | ° | ° | | Mi. | Mi. | | In. | | | | | | | | | |
| 1 | 84.0 | 29.317 | .199 | 29.118 | 30.02 | 77.1 | 72.4 | 71 | 80 | .757 | 85.7 | 74.8 | SW | 11 | | | 0 | 5 4 1 | a St a Cu ci | W W NW | Cloudy | 7 | 6 | 7 | BBW. | 1 |
| 2 | 82.0 | 29.406 | .194 | 29.212 | 30.12 | 71.0 | 59.0 | 51 | 49 | .373 | 81.7 | 63.9 | NE | 6 | | | 0 | 2 | a St | NW | Clear | 8 | 7 | 6 | BBW. | 2 |
| 3 | 79.5 | 29.167 | .186 | 28.981 | 29.88 | 70.9 | 70.0 | 70 | 96 | .732 | 81.0 | 64.0 | SW | 10 | | | 0.86 | 10 | St | SW | Light Rain | 6 | 6 | 8 | BBW. | 3 |
| 4 | 75.5 | 29.422 | .177 | 29.245 | 30.16 | 59.0 | 53.0 | 48 | 68 | .334 | 65.4 | 54.9 | NE | 9 | | | T | 0 | — | — | Clear | 8 | 7 | 8 | BBW. | 4 |
| 5 | 76.5 | 29.467 | .180 | 29.287 | 30.21 | 64.1 | 58.0 | 54 | 70 | .417 | 73.0 | 57.7 | NE | 3 | | | 0 | Few | Cu | O? | Clear | 8 | 8 | 8 | BBW. | 5 |
| 6 | 78.0 | 29.518 | .184 | 29.334 | 30.25 | 66.5 | 58.0 | 52 | 60 | .387 | 74.8 | 59.6 | NE | 3 | | | 0 | 0 | — | — | Clear | 7 | 8 | 7 | L.C.S. | 6 |
| 7 | 77.0 | 29.425 | .181 | 29.244 | 30.15 | 68.0 | 62.8 | 60 | 75 | .517 | 79.7 | 64.6 | S | 8 | | | 0 | 1 | Ci | N | Clear | 8 | 7 | 7 | BBW. | 7 |
| 8 | 79.5 | 29.294 | .187 | 29.107 | 30.02 | 71.5 | 70.0 | 70 | 93 | .732 | 76.3 | 69.5 | SW | 5 | | | 0.16 | 10 | St | W | Cloudy | 6 | 6 | 6 | BBW. | 8 |
| 9 | 79.0 | 29.358 | .185 | 29.173 | 30.08 | 68.0 | 63.4 | 61 | 78 | .536 | 79.8 | 63.9 | E | 7 | | | 0 | 3 | Ci | NW | Clear | 8 | 7 | 7 | BBW | 9 |
| 10 | 79.5 | 29.120 | .186 | 28.934 | 29.84 | 64.5 | 64.0 | 64 | 97 | .595 | 73.9 | 63.2 | NE | 7 | | | 0.99 | 10 | St | E | misting | 6 | 6 | 7 | BBW. | 10 |
| 11 | 76.0 | 29.160 | .177 | 28.983 | 29.89 | 64.5 | 64.0 | 64 | 97 | .595 | 73.9 | 61.0 | NE | 2 | | | T | 10 | Alto | NE | Clear | 5 | 6 | 6 | BBW. | 11 |
| 12 | 77.0 | 29.103 | .179 | 28.924 | 29.83 | 67.0 | 63.0 | 61 | 80 | .536 | 72.2 | 63.1 | SW | 6 | | | 0 | 6 | St. Cu. | NW | Pt. Cloudy | 6 | 6 | 6 | BBW. | 12 |
| 13 | 81.0 | 29.134 | .190 | 28.944 | 29.84 | 67.7 | 64.2 | 63 | 83 | .575 | 80.9 | 66.1 | W | 3 | | | T | 4 | Ci | ? | Pt. Cloudy | 6 | 6 | 6 | PAL | 13 |
| 14 | 75.0 | 29.334 | .175 | 29.159 | 30.08 | 61.0 | 53.9 | 49 | 63 | .347 | 69.0 | 54.0 | NW | 4 | | | 0 | 1 | A Cu | NW | Clear | 8 | 7 | 8 | BBW. | 14 |
| 15 | 78.5 | 29.436 | .185 | 29.251 | 30.18 | 62.8 | 56.3 | 52 | 67 | .387 | 72.6 | 58.1 | N | 2 | | | 0 | 7 | A Cu Ci Cu | N N | Pt. Cloudy | 6 | 7 | 7 | PAL | 15 |
| 16 | 77.0 | 29.388 | .181 | 29.207 | 30.13 | 65.1 | 57.6 | 52 | 64 | .387 | 76.0 | 61.4 | SW | 6 | | | 0 | Few 3 | Ci | N | Clear | 7 | 7 | 7 | PAL | 16 |
| 17 | 72.0 | 29.160 | .180 | 28.980 | 29.89 | 66.2 | 61.2 | 58 | 76 | .482 | 77.6 | 61.9 | SW | 12 | | | 0 | 2 3 | Ci Ci Cu | W W | Pt. Cloudy | 7 | 7 | 7 | PAL | 17 |
| 18 | 78.0 | 29.092 | .182 | 28.910 | 29.82 | 64.2 | 60.2 | 58 | 79 | .482 | 77.1 | 61.0 | NW | 5 | | | T | Few 5 | Cu St Cu | ? E | Clear | 6 | 7 | 8 | PAL | 18 |
| 19 | 76.0 | 29.310 | .177 | 29.133 | 30.05 | 59.8 | 53.3 | 48 | 65 | .334 | 68.0 | 52.6 | NE | 12 | | | 0 | 2 | Cu | NE | Pt. Cloudy | 7 | 8 | 8 | PAL | 19 |
| 20 | 77.5 | 29.460 | .182 | 29.278 | 30.21 | 59.6 | 54.0 | 49 | 70 | .347 | 72.1 | 55.3 | NE | 9 | | | 0 | 0 | — | — | Clear | 8 | 8 | 8 | BBW. | 20 |
| 21 | 76.5 | 29.443 | .180 | 29.263 | 30.18 | 63.4 | 59.9 | 57 | 82 | .465 | 72.6 | 58.9 | NE | 7 | | | 0 | 1 | Ci | NW | Clear | 8 | 6 | 6 | BBW. | 21 |
| 22 | 78.0 | 29.428 | .184 | 29.244 | 30.16 | 65.0 | 62.0 | 60 | 85 | .517 | 76.3 | 63.0 | NE | 6 | | | 0 | 5 | A Cu | E | Pt Cloudy | 7 | 7 | 7 | BBW. | 22 |
| 23 | 79.0 | 29.305 | .185 | 29.120 | 30.03 | 64.0 | 62.0 | 61 | 90 | .536 | 76.1 | 60.9 | NE | 9 | | | 0 | 9 | St Cu | E | Cloudy | 7 | 7 | 7 | BBW. | 23 |
| 24 | 79.0 | 29.126 | .185 | 28.941 | 29.85 | 65.4 | 63.0 | 62 | 88 | .555 | 76.0 | 62.0 | N | 6 | | | 0 | 0 | — | — | Clear | 8 | 8 | 7 | BBW | 24 |
| 25 | 77.0 | 29.159 | .180 | 28.979 | 29.89 | 63.9 | 60.0 | 58 | 80 | .482 | 80.2 | 60.2 | SW | 5 | | | 0 | 4 | A Cu | N | Pt Cloudy | 7 | 6 | 6 | BBW. | 25 |
| 26 | 81.0 | 29.223 | .190 | 29.033 | 29.93 | 69.1 | 65.0 | 63 | 81 | .575 | 82.0 | 66.1 | W | 2 | | | 0 | 5 | A Cu | SW | Pt Cloudy | 6 | 6 | 7 | BBW | 26 |
| 27 | 82.0 | 29.328 | .193 | 29.135 | 30.05 | 65.0 | 61.0 | 59 | 80 | .499 | 78.9 | 61.6 | NE | 7 | | | 0 | 0 | — | — | Clear | 7 | 8 | 8 | L.C.S. | 27 |
| 28 | 80.0 | 29.312 | .188 | 29.124 | 30.04 | 59.0 | 57.1 | 56 | 90 | .448 | 75.9 | 58.6 | NE | 6 | | | .12 | 10 | St Cu | N | Light Rain | 5 | 6 | 8 | P.A.L. | 28 |
| 29 | 75.0 | 29.426 | .176 | 29.250 | 30.18 | 59.0 | 54.1 | 50 | 73 | .360 | 71.0 | 56.0 | NE | 10 | | | 0 | Few | Ci | ? | Clear | 8 | 8 | 8 | BBW. | 29 |
| 30 | 75.0 | 29.421 | .176 | 29.295 | 30.23 | 61.0 | 57.2 | 54 | 80 | .417 | 73.9 | 58.2 | NE | 8 | | | 0 | 3 | A Cu | E | Clear | 6 | 7 | 6 | BBW. | 30 |
| 31 | 76.0 | 29.350 | .177 | 29.173 | 30.09 | 64.0 | 59.2 | 56 | 76 | .448 | 74.3 | 58.2 | E | 2 | | | 0 | 1 | A Cu | O | Clear | 6 | 7 | 6 | BBW. | 31 |
| Sums | | (a) | (a) | 902.961 | 931.28 | 2017.3 | 1878.8 | 1791 | 2415 | 15.154 | (a) | (a) | (a) | 197 | (a) | (a) | 2.13 | 117 | (a) | (a) | | (a) | (a) | (a) | (a) | (a) | (a) |
| Means | | (a) | (a) | 29.128 | 30.041 | 65.1 | 60.6 | 57.8 | 77.9 | .489 | (a) | (a) | (c) NE | 6.4 | (a) | (a) | (a) | 3.8 | U Ci-ACu L St. Cu. | U N NW L E | | (a) | (a) | (a) | (a) | (a) | (a) |

8—154 Reference letters in this form refer to paragraph 121, "Instructions for Preparing Meteorological Forms."

† By dial when self-register is out of order.
†† T indicates trace of precipitation.

Wind data corrected to true velocity.
(2) ∅ Interpolated.

U, upper clouds. L, lower clouds.

Use visibility scale in "Instructions for Preparing Meteorological Forms."

# ORIGINAL MONTHLY RECORD OF OBSERVATIONS at Fort Wayne, Ind., for the Month of AUG - 1933, 193

Number of Station barometer, 6 56; sum of corrections, −.0 5 2 inch.

OBSERVATIONS AT 8 P. M. 75TH MERIDIAN TIME, WHICH CORRESPONDS TO 7:00 P. M. 90 MERIDIAN TIME, THE STANDARD OF TIME IN LOCAL USE; 7:19 P. M. LOCAL MEAN TIME.

| Date. | Barometer. Attached thermometer. | Barometer. Observed reading. | Barometer. Total correction. | Barometer. Station. (Observed reading plus total cor.) (b) | Barometer. Reduced to sea-level. (b) | Thermometers. Dry. (b) | Thermometers. Wet. (b) | Dew-point. (b) | Relative humidity. (b) | Vapor pressure. (b) | Self-Reg. Ther's. Max. (b) | Self-Reg. Ther's. Min. (b) | Wind. Dir. | Wind. Velocity. (b) † | Wind. Max. during preceding 12 hours. | Wind. Dir. | Precipitation. Amt. at 8 p. m. (b) †† | Clouds. Amt. | Clouds. Kind. | Clouds. Dir. from. | State of Weather. | Fog, Mid. to Mid. (Local standard time.) Light (f). Began. | Light (f). Ended. | Dense (f). Began. | Dense (f). Ended. | Initials of observer. | Date. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | In. | | In. | In. | ° | ° | ° | % | In. | ° | ° | | Mi. | Mi. | | In. | | | | | | | | | | |
| 1 | 87.0 | 29.312 | .206 | 29.106 | 30.01 | 81.7 | 72.0 | 68 | 63 | .684 | 87.4 | 76.3 | NW | 9 | | | 0.15 | 1 | Ci Cu | P | Clear | | | | | L.C.S. | 1 |
| 2 | 86.0 | 29.280 | .204 | 29.076 | 29.99 | 81.0 | 68.0 | 61 | 52 | .536 | 86.8 | 71.0 | E | 9 | | | 0 | 1 1 3 1 4 | Ci Cu Ci Cu Ac Cu Cu | P W W W W | Cloudy | | | | | L.C.S. | 2 |
| 3 | 78.0 | 29.306 | .183 | 29.123 | 30.03 | 65.4 | 61.0 | 59 | 78 | .499 | 71.6 | 62.4 | N | 9 | | | .05 | 10 | St Cu | N | Cloudy | | | | | L.C.S. | 3 |
| 4 | 79.5 | 29.380 | .187 | 29.193 | 30.11 | 73.0 | 59.3 | 50 | 44 | .360 | 75.3 | 59.0 | NE | 6 | | | 0 | 7 few | Ac Cu | P | Clear | | | | | L.C.S. | 4 |
| 5 | 80.0 | 29.460 | .189 | 29.271 | 30.19 | 74.8 | 62.0 | 54 | 49 | .417 | 79.2 | 64.1 | NE | 4 | | | 0 | 4 | Ac Cu | W | Pt Cloudy | | | | | L.C.S. | 5 |
| 6 | 82.0 | 29.410 | .194 | 29.216 | 30.13 | 79.7 | 63.0 | 52 | 39 | .387 | 82.3 | 66.5 | SE | 5 | | | 0 | 1 | Ci St | P | Clear | | | | | L.C.S. | 6 |
| 7 | 82.0 | 29.305 | .193 | 29.112 | 30.02 | 76.3 | 68.0 | 64 | 66 | .595 | 84.0 | 68.0 | SW | 8 | | | T | 1 2 3 4 | Ci Cu Ac Cu Ac Cu Cu | W W W SW | Cloudy | | | | | L.C.S. | 7 |
| 8 | 83.0 | 29.304 | .196 | 29.108 | 30.02 | 79.8 | 66.8 | 60 | 51 | .517 | 85.0 | 71.5 | N | 6 | | | 0 | 2 2 | Ci Cu Cu | W N | Pt Cloudy | | | | | L.C.S. | 8 |
| 9 | 81.0 | 29.234 | .190 | 29.044 | 29.95 | 73.9 | 67.0 | 64 | 70 | .595 | 80.2 | 68.0 | E | 7 | | | T | 2 2 6 | As St Cu St Cu | E E | Cloudy | | | | | L.C.S. | 9 |
| 10 | 79.0 | 29.135 | .185 | 28.950 | 29.86 | 73.9 | 67.9 | 65 | 74 | .616 | 75.7 | 64.5 | NE | 3 | | | T | 7 few | Cu | P | Clear | | | | | L.C.S. | 10 |
| 11 | 80.5 | 29.043 | .188 | 28.855 | 29.77 | 72.2 | 67.0 | 65 | 77 | .616 | 82.1 | 64.5 | SW | 7 | | | .04 | 1 5 2 3 | Ci Cu Ac Cu Ci St St Cu | W SW W W | Cloudy | D.N.A. | 7:20A | | | LCS | 11 |
| 12 | 82.5 | 29.005 | .193 | 28.812 | 29.70 | 80.9 | 68.9 | 63 | 54 | .575 | 85.4 | 67.0 | S | 7 | | | 0 | 3 | St Cu | W | Pt. Cldy. | | | | | PaL | 12 |
| 13 | 82.0 | 29.224 | .193 | 29.031 | 29.94 | 69.0 | 57.5 | 49 | 49 | .347 | 79.4 | 67.7 | NW | 10 | | | 0 | Few | Ci Cu | N | Clear | | | | | PaL | 13 |
| 14 | 80.5 | 29.362 | .189 | 29.173 | 30.09 | 72.6 | 58.0 | 47 | 40 | .322 | 78.0 | 61.0 | N | 6 | | | 0 | 1 | Ci | W | Clear | | | | | ~~LCS~~ | 14 |
| 15 | 81.0 | 29.400 | .191 | 29.209 | 30.13 | 76.0 | 65.0 | 59 | 55 | .499 | 81.2 | 62.8 | SW | 4 | | | 0 | 0 | — | — | Clear | | | | | ~~LCS~~ | 15 |
| 16 | 82.0 | 29.255 | .193 | 29.062 | 29.97 | 77.6 | 64.0 | 56 | 47 | .448 | 83.0 | 65.1 | S | 6 | | | 0 | 2 Few | Ci Ci | SW SW | Clear | | | | | ~~LCS~~ | 16 |
| 17 | 82.0 | 29.043 | .192 | 28.851 | 29.76 | 77.1 | 67.0 | 62 | 60 | .555 | 83.8 | 66.2 | SW | 5 | | | 0 | 2 | Cu | SW | Clear | | | | | ~~LCS~~ | 17 |
| 18 | 82.0 | 29.194 | .193 | 29.001 | 29.92 | 68.0 | 58.1 | 51 | 55 | .373 | 76.9 | 64.2 | NW | 12 | | | 0 | 1 1 | Ci Ci | NW W | Clear | | | | | ~~LCS~~ | 18 |
| 19 | 80.0 | 29.341 | .188 | 29.153 | 30.07 | 72.1 | 58.1 | 48 | 42 | .334 | 78.0 | 59.8 | NE | 7 | | | 0 | 7 few | Cu | E | Clear | | | | | ~~LCS~~ | 19 |
| 20 | 81.0 | 29.435 | .192 | 29.243 | 30.16 | 72.6 | 57.1 | 45 | 38 | .298 | 80.0 | 59.6 | NE | 6 | | | 0 | 7 few | Ci | P | Clear | | | | | ~~LCS~~ | 20 |
| 21 | 82.0 | 29.406 | .194 | 29.212 | 30.13 | 76.3 | 62.0 | 53 | 44 | .402 | 85.4 | 63.4 | NE | 9 | | | 0 | 1 1 2 | Ci Cu Cu St Cu St | W NE NE | Pt Cloudy | | | | | L.C.S. | 21 |
| 22 | 83.0 | 29.352 | .196 | 29.156 | 30.08 | 76.1 | 61.1 | 51 | 42 | .373 | 83.8 | 65.0 | NE | 6 | | | 0 | 1 1 | Ci Cu St | P W | Clear | | | | | L.C.S. | 22 |
| 23 | 82.0 | 29.142 | .193 | 28.949 | 29.86 | 76.0 | 64.3 | 58 | 53 | .482 | 79.7 | 64.0 | NE | 7 | | | 0 | 1 2 | Ac Cu St Cu | W NE | Pt Cloudy | | | | | L.C.S. | 23 |
| 24 | 84.0 | 29.085 | .198 | 28.887 | 29.79 | 80.2 | 67.2 | 60 | 51 | .517 | 85.4 | 65.4 | NW | 2 | | | 0 | 7 few | Cu | W | Clear | | | | | P.a.L. | 24 |
| 25 | 85.0 | 29.140 | .201 | 28.939 | 29.84 | 82.0 | 66.8 | 59 | 45 | .499 | 87.9 | 63.9 | W | 5 | | | 0 | 1 2 3 | Ci St Cu St | W W NW | Pt Cloudy | | | | | L.C.S. | 25 |
| 26 | 85.5 | 29.226 | .202 | 29.024 | 29.92 | 78.9 | 64.9 | 57 | 47 | .465 | 87.3 | 69.1 | NW | 9 | | | T | 1 1 | Cu Ci | NW W | Pt Cloudy | | | | | L.C.S. | 26 |
| 27 | 86.0 | 29.281 | .204 | 29.077 | 29.99 | 75.9 | 62.0 | 53 | 45 | .402 | 83.1 | 65.0 | N | 8 | | | 0 | 2 1 2 | St Cu Ci Cu | N W W | Pt Cloudy | | | | | L.C.S. | 27 |
| 28 | 71.0 | 29.302 | .191 | 29.111 | 30.03 | 70.6 | 62.6 | 58 | 64 | .482 | 74.9 | 59.0 | SW | 7 | | | .06 | 2 4 | Ac Cu Cu | W SW | Cloudy | | | | | L.C.S. | 28 |
| 29 | 81.0 | 29.428 | .192 | 29.236 | 30.16 | 73.9 | 58.4 | 47 | 39 | .322 | 78.9 | 59.0 | NE | 5 | | | 0 | 1 | Cu | P | Clear | | | | | LCS | 29 |
| 30 | 80.0 | 29.366 | .188 | 29.178 | 30.10 | 74.3 | 60.0 | 50 | 43 | .360 | 80.0 | 61.0 | E | 7 | | | 0 | 2 4 | Ac Cu Cu | E NE | Pt. Cloudy | | | | | LCS | 30 |
| 31 | 80.5 | 29.296 | .189 | 29.107 | 30.02 | 74.0 | 65.0 | 60 | 62 | .517 | 80.4 | 64.0 | SE | 6 | | | 0 | 2 | Cu | SE | Clear | | | | | L.C.S. | 31 |
| Sums | | (a) | (a) | 901.465 | 929.74 | 2335.8 | 1970.0 | 1748 | 1638 | 14.394 | (a) | (a) | (a) | 207 | (a) | (a) | 0.30 | 108 | (a) | (a) | (a) | (a) | (a) | (a) | (a) | (a) | (a) |
| Means | | (a) | (a) | 29.080 | 29.992 | 75.3 | 63.5 | 56.4 | 52.8 | .464 | (a) | (a) | (c) NE | 6.7 | (a) | (a) | (a) | 3.5 | U Ci Cu Cu L Cu | U W L NE W | (a) | (a) | (a) | (a) | (a) | (a) | (a) |

Observations are begun about 7.40 o'clock, 75th meridian time.

† By dial when self-register is out of order.
†† T indicates trace of precipitation.

Wind data corrected to true velocity.

U, upper clouds. L, lower clouds.

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# ORIGINAL MONTHLY RECORD OF OBSERVATIONS at Fort Wayne, Ind., for the Month of AUG - 1933, 193

| Date. | TEMPERATURE. Maximum (b) | Minimum (b) | Range (b) | Change (b) | Mean (max. and min.) (b) | Normal | Departure | Total excess or deficiency since 1st of month | PRECIPITATION. Character ‡ | Beginning | Ending | Character ‡ | Beginning | Ending | Character ‡ | Beginning | Ending | Character ‡ | Beginning | Ending | Total (mid. to mid.) (b)†† | Normal | Departure | Total excess or deficiency since 1st of month | Hail and sleet unmelted. 7p.m. to 7p.m. *‡‡ | Snow unmelted. 7p.m. to 7p.m. *‡‡ | Hail, sleet, and snow on ground at 7p.m. *‡‡ | Amount of precipitation from melted snow (mid. to mid.) | Date. | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | ° | ° | ° | ° | ° | | | | | | | | | | | | | | | | In. | | | -.03 | In. | In. | In. | In. | | |
| Tuesday 1 | 87 | 71 | 16 | 4 | 83 79 | | | | | | | | | | | | | | | | 0.15 | .14 | +.01 | +.01 | 0 | 0 | 0 | 0 | 1 | R |
| 2 | 87 | 64 | 23 | 3 | 76 | | | | | | | | | | | | | | | | 0.75 | .14 | +.61 | +.62 | 0 | 0 | 0 | 0 | 2 | R |
| 3 | 72 | 58 | 14 | 11 | 65 | | | | | | | | | | | | | | | | 0.16 | .12 | +.04 | +.66 | 0 | 0 | 0 | 0 | 3 | |
| 4 | 75 | 55 | 20 | 0 | 65 | | | | | | | | | | | | | | | | 0 | .11 | -.11 | +.55 | 0 | 0 | 0 | 0 | 4 | |
| 5 | 79 | 58 | 21 | 3 | 68 | | | | | | | | | | | | | | | | 0 | .10 | -.10 | +.45 | 0 | 0 | 0 | 0 | 5 | |
| 6 | 82 | 60 | 22 | 3 | 71 | | | | | | | | | | | | | | | | 0 | .10 | -.10 | +.35 | 0 | 0 | 0 | 0 | 6 | |
| 7 | 84 | 65 | 19 | 3 | 74 | | | | | | | | | | | | | | | | 0.14 | .10 | +.04 | +.39 | 0 | 0 | 0 | 0 | 7 | |
| 8 | 85 | 70 | 15 | 4 | 78 | | | | | | | | | | | | | | | | .02 | .10 | -.08 | +.31 | 0 | 0 | 0 | 0 | 8 | |
| 9 | 80 | 64 | 16 | 6 | 72 | | | | | | | | | | | | | | | | 0.13 | .10 | +.03 | +.34 | 0 | 0 | 0 | 0 | 9 | |
| 10 | 76 | 63 | 13 | 2 | 70 | | | | | | | | | | | | | | | | 0.86 | .11 | +.75 | +1.09 | 0 | 0 | 0 | 0 | 10 | |
| 11 | 82 | 61 | 21 | 2 | 72 | | | | | | | | | | | | | | | | 0.04 | .10 | -.06 | +1.03 | 0 | 0 | 0 | 0 | 11 | R |
| 12 | 85 | 63 | 22 | 2 | 74 | | | | | | | | | | | | | | | | T | .11 | -.11 | +.92 | 0 | 0 | 0 | 0 | 12 | |
| 13 | 79 | *58 | 21 | 6 | 68 | | | | | | | | | | | | | | | | 0 | .11 | -.11 | +.81 | 0 | 0 | 0 | 0 | 13 | |
| 14 | 78 | 54 | 24 | 2 | 66 | | | | | | | | | | | | | | | | 0 | .10 | -.10 | +.71 | 0 | 0 | 0 | 0 | 14 | |
| 15 | 81 | 58 | 23 | 4 | 70 | | | | | | | | | | | | | | | | 0 | .10 | -.10 | +.61 | 0 | 0 | 0 | 0 | 15 | |
| 16 | 83 | 61 | 22 | 2 | 72 | | | | | | | | | | | | | | | | 0 | .10 | -.10 | +.51 | 0 | 0 | 0 | 0 | 16 | |
| 17 | 84 | 62 | 22 | 1 | 73 | | | | | | | | | | | | | | | | T | .09 | -.09 | +.42 | 0 | 0 | 0 | 0 | 17 | R |
| 18 | 77 | 56 | 21 | 7 | 66 | | | | | | | | | | | | | | | | 0 | .09 | -.09 | +.33 | 0 | 0 | 0 | 0 | 18 | |
| 19 | 78 | 53 | 25 | 0 | 66 | | | | | | | | | | | | | | | | 0 | .10 | -.10 | +.23 | 0 | 0 | 0 | 0 | 19 | |
| 20 | 80 | 55 | 25 | 2 | 68 | | | | | | | | | | | | | | | | 0 | .10 | -.10 | +.13 | 0 | 0 | 0 | 0 | 20 | |
| 21 | 85 | 59 | 26 | 4 | 72 | | | | | | | | | | | | | | | | 0 | .10 | -.10 | +.03 | 0 | 0 | 0 | 0 | 21 | |
| 22 | 84 | 63 | 21 | 2 | 74 | | | | | | | | | | | | | | | | 0 | .10 | -.10 | -.07 | 0 | 0 | 0 | 0 | 22 | |
| 23 | 80 | 61 | 19 | 4 | 70 | | | | | | | | | | | | | | | | 0 | .08 | -.08 | -.15 | 0 | 0 | 0 | 0 | 23 | |
| 24 | 85 | 62 | 23 | 4 | 74 | | | | | | | | | | | | | | | | 0 | .08 | -.08 | -.23 | 0 | 0 | 0 | 0 | 24 | |
| 25 | 88 | 60 | 28 | 0 | 74 | | | | | | | | | | | | | | | | 0 | .09 | -.09 | -.32 | 0 | 0 | 0 | 0 | 25 | |
| 26 | 87 | 66 | 21 | 2 | 76 | | | | | | | | | | | | | | | | T | .09 | -.09 | -.41 | 0 | 0 | 0 | 0 | 26 | R R |
| 27 | 83 | 62 | 21 | 4 | 72 | | | | | | | | | | | | | | | | 0 | .09 | -.09 | -.50 | 0 | 0 | 0 | 0 | 27 | |
| 28 | 75 | 59 | 16 | 5 | 67 | | | | | | | | | | | | | | | | 0.18 | .09 | +.09 | -.41 | 0 | 0 | 0 | 0 | 28 | |
| 29 | 79 | 56 | 23 | 1 | 68 | | | | | | | | | | | | | | | | 0 | .10 | -.10 | -.51 | 0 | 0 | 0 | 0 | 29 | |
| 30 | 80 | 58 | 22 | 1 | 69 | | | | | | | | | | | | | | | | 0 | .09 | -.09 | -.60 | 0 | 0 | 0 | 0 | 30 | |
| 31 | 80 | 58 | 22 | 0 | 69 | | | | | | | | | | | | | | | | 0 | .08 | -.08 | -.68 | 0 | 0 | 0 | 0 | 31 | |
| S | 2520 | 1873 | 647 | 94 | 2198 | | Total excess or deficiency since Jan. 1, | | (a) | (a) | (a) | (a) | (a) | (a) | (a) | (a) | (a) | (a) | (a) | (a) | 2.43 | 3.11 | Total excess or deficiency since Jan. 1, | 0 | 0 | (a) | (a) | (a) | |
| M | 81.3 | 60.4 | 20.9 | 3.0 | (a) | (a) | | | (a) | (a) | (a) | (a) | (a) | (a) | (a) | (a) | (a) | (a) | (a) | (a) | (a) | (a) | -1.24 | (a) | (a) | (a) | (a) | (a) | | |

All data are in the standard of time in local use. ‡ Use the following abbreviations: R—rain, S$^{d}$—dry snow, S$^{m}$—moist snow, H—hail, Sl—sleet. †† T indicates trace of precipitation. ‡‡ Enter the local standard time of observation. * Inches and tenths

× Interpolated

# SUMMARY FOR THE MONTH OF AUG - 1933, 193

The 8 a. m. and 8 p. m. means of pressure, dry and wet thermometers, dew-point, humidity, vapor pressure, and mean cloudiness are in 75th meridian time. All other data are in the standard of time in local use.

## PRESSURE.

(Correction to reduce to a 24-hour mean .004)

### STATION.

| Mean. 8 a. m. | Mean. 8 p. m. | Mean. Monthly. (g) | Highest. (h) | Date. | Lowest. (h) | Date. | Absolute range. |
|---|---|---|---|---|---|---|---|
| 29.128 | 29.080 | 29.104 | 29.340 | 6 | 28.812 | 12 | 0.528 |
| Corrected mean.... | | 29.100 | | | | | |

### REDUCED.

| Mean. 8 a. m. | Mean. 8 p. m. | Mean. Monthly. (g) | Highest. (h) | Date. | Lowest. (h) | Date. | Absolute range. |
|---|---|---|---|---|---|---|---|
| 30.041 | 29.992 | 30.016 | 30.26 | 6 | 29.70 | 12 | 0.56 |
| Corrected mean.... | | 30.012 | | | | | |

## TEMPERATURE.

### MEAN.

| Dry. 8 a. m. | Dry. 8 p. m. | Dry. (8+8)÷2 (g) | Wet. 8 a. m. | Wet. 8 p. m. | Wet. Monthly. (g) | Max. | Min. | Monthly. (g) |
|---|---|---|---|---|---|---|---|---|
| 65.1 | 75.3 | 70.2 | 60.6 | 63.5 | 62.0 | 81.3 | 60.4 | 70.8 |

| Highest. (i) | Date. (i) | Lowest. (i) | Date. (i) | Absolute range. | Greatest daily range. (i) | Date. (i) | Least daily range. (i) | Date. (i) |
|---|---|---|---|---|---|---|---|---|
| 88 | 25 | 53 | 19 | 35 | 28 | 25 | 13 | 10 |

| Dew-point. 8 a. m. | Dew-point. 8 p. m. | Dew-point. Monthly. (g) | Relative Humidity. 8 a. m. | Relative Humidity. 8 p. m. | Relative Humidity. Monthly. (g) | Vapor Pressure. 8 a. m. | Vapor Pressure. 8 p. m. | Vapor Pressure. Monthly. (g) |
|---|---|---|---|---|---|---|---|---|
| 57.8 | 56.4 | 57.1 | 77.9 | 52.8 | 65.4 | .489 | .464 | .476 |

| Number of days with—(j) Maximum. 32° or below. | Maximum. 90° or above. | Minimum. 32° or below. | Minimum. Zero or below. |
|---|---|---|---|
| 0 | 0 | 0 | 0 |

**CLOUDS.**

Most frequent clouds: Cu

Most frequent direction upper clouds: W

Most frequent direction lower clouds: W

## WIND.

(Wind data corrected to true velocity.)

| Total movement (mid. to mid.). | Average hourly velocity. | Prevailing direction. (p) | Maximum velocity. (r) | Direction. (r) | Date. (r) | Number of Times Wind Observed from the—N. | NE. | E. | SE. | S. | SW. | W. | NW. | Calm. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 5384 | 7.2 | NE | 21 | SW | 11 | 6 | 24 | 5 | 2 | 3 | 12 | 3 | 7 | 0 |

## WEATHER.

| Mean Cloudiness. 8 a. m. | 8 p. m. | Monthly. (t) | Sunshine. Percentage of possible. | Number of Days. Clear. | Partly cloudy. | Cloudy. | Number of Days with Precipitation (Mid. to Mid.). Clear. (u) | Partly cloudy. (u) | Cloudy. (u) |
|---|---|---|---|---|---|---|---|---|---|
| 3.8 | 3.5 | 4.6 | 74 | 12 | 13 | 6 | 0 | 3 | 6 |

(9)

## MISCELLANEOUS PHENOMENA.

DATES OF—(MIDNIGHT TO MIDNIGHT).

| Frosts. Light. | Heavy. | Killing. | Thunderstorms. (v) | Winds. (32 miles or over.) | Solar Halos. | Lunar Halos. | Fog. Light. | Dense. | Haze. Light. | Dense. | Smoke. Light. | Dense. | Hail. | Aurora. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 0 | 0 | 1,2,11,17,26 | 0 | 9 | 0 | 11 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

## PRECIPITATION (in inches and hundredths). (m)

| Total Amount | Greatest Amount in 24 Consecutive Hours. Amt. | Date. (k) | Excessive. 2.50 Inches in 24 Hours. (l) * Amt. | Duration. h. m. | Date. (k) | 1 Inch per Hour. (l) Amt. | Duration. h. m. | Date. (k) |
|---|---|---|---|---|---|---|---|---|
| 2.43 | 0.99 | 9-10 | 0 | – | – | 0 | – | – |

| Number of days with—(Mid. to Mid.). Trace. | .01 or more. | .04 or more. | .25 or more. | 1.00 or more. | Total. | Snow. Trace or more. | Snow. .01 or more melted. | Snow. Total Depth. (o) | Snow. Average Depth at End of Month. |
|---|---|---|---|---|---|---|---|---|---|
| 3 | 9 | 8 | 2 | 0 | 12 | 0 | 0 | 0 | 0 |

(w) Maximum precipitation in 5 minutes 0.11, date 2; 10 minutes 0.20, date 2; 15 minutes 0.25, date 2:

30 minutes 0.33, date 2; 1 hour 0.49, date 2; 2 hours 0.70, date 2.

## EXCESSIVE.

| Date. | Total Duration. From— | To— | Total amount of precipitation. | Excessive Rate. Began— | Ended— | Amt. before excessive began. | Accumulated Depths During Excessive Rate for Consecutive Periods of Time Indicated Below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| None. | | | | | | | | | | | | | | | | | | | | |

* The duration is the time precipitation was actually recorded.

8—154

Prepared by [illegible]

[illegible] Meteorologist, [illegible], Weather Bureau.

ORIGINAL MONTHLY RECORD OF OBSERVATIONS at Fort Wayne, Ind., for the Month of AUG - 1933, 193

Number of Station barometer, 656; sum of corrections, -.052 inch.

SPECIAL OBSERVATIONS.

| Date. | Time. 75th mer. | Time. Local (standard). | Barometer. Attached thermometer | Barometer. Observed reading. | Barometer. Total correction. | Barometer. Station. (Observed reading plus total cor.) | Barometer. Reduced to sea-level. | Thermometers. Dry. | Thermometers. Wet. | Dew-point. | Depression of the dew-point. | Relative humidity. | Maximum thermometer. | Wind. Direction. | Wind. Velocity. † | Wind. Max. since last observation. | Wind. Direction. | Precipitation. †† | Clouds. Amt. | Clouds. Kind. | Clouds. Dir. from. | State of Weather. | Special Phenomena. | Initials of Observer. | Date. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | |

*ORIGINAL MONTHLY RECORD OF OBSERVATIONS at* Fort Wayne, Ind. *, for the Month of* AUG - 1933 *, 193*

*Wind—Number of Miles and Length of Time From.* (*Standard of time in local use,* 90 *meridian.*)

| DATE. | N. | | NE. | | E. | | SE. | | S. | | SW. | | W. | | NW. | | CALM. | | TOTAL. | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Miles. | Hours. | Miles. | Hours. | Miles. | Hours. | Miles. | Hours. | Miles. | Hours. | Miles. | Hours. | Miles. | Hours. | Miles. | Hours. | Miles. | Hours. | Miles. | Hours. |
| 1 | 6 | 1 | | | | | | | 27 | 3 | 48 | 5 | 56 | 5 | 91 | 10 | | | 228 | 24 |
| 2 | 19 | 6 | 40 | 6 | 64 | 8 | 12 | 2 | | | | | 14 | 2 | | | | | 149 | 24 |
| 3 | 61 | 7 | 73 | 9 | 22 | 4 | 7 | 1 | | | 28 | 3 | | | | | | | 191 | 24 |
| 4 | 13 | 2 | 158 | 22 | | | | | | | | | | | | | | | 171 | 24 |
| 5 | 16 | 2 | 90 | 20 | 13 | 2 | | | | | | | | | | | | | 119 | 24 |
| 6 | | | 22 | 7 | | | 63 | 10 | 41 | 5 | 7 | 1 | | | | | 1 | 1 | 134 | 24 |
| 7 | | | | | | | | | 61 | 8 | 176 | 14 | 22 | 2 | | | | | 259 | 24 |
| 8 | 39 | 7 | | | | | | | 10 | 1 | 50 | 7 | 6 | 1 | 69 | 8 | | | 174 | 24 |
| 9 | 12 | 2 | 50 | 8 | 67 | 10 | 21 | 4 | | | | | | | | | | | 150 | 24 |
| 10 | | | 126 | 21 | 20 | 3 | | | | | | | | | | | | | 146 | 24 |
| 11 | | | 30 | 8 | | | | | 9 | 1 | 120 | 15 | | | | | | | 159 | 24 |
| 12 | | | | | | | | | 65 | 5 | 188 | 19 | | | | | | | 253 | 24 |
| 13 | 48 | 7 | 8 | 1 | | | | | | | | | 15 | 2 | 127 | 14 | | | 198 | 24 |
| 14 | 13 | 4 | | | | | | | | | | | 55 | 5 | 92 | 13 | 2 | 2 | 162 | 24 |
| 15 | 25 | 8 | | | | | | | 37 | 5 | 63 | 10 | 9 | 1 | | | | | 134 | 24 |
| 16 | | | | | | | 8 | 1 | 103 | 15 | 82 | 8 | | | | | | | 193 | 24 |
| 17 | | | | | | | | | 61 | 8 | 114 | 10 | 48 | 5 | 8 | 1 | | | 231 | 24 |
| 18 | 27 | 4 | | | | | | | | | | | 37 | 6 | 135 | 14 | | | 199 | 24 |
| 19 | 23 | 4 | 120 | 16 | 22 | 4 | | | | | | | | | | | | | 165 | 24 |
| 20 | | | 109 | 16 | 75 | 8 | | | | | | | | | | | | | 184 | 24 |
| 21 | | | 119 | 15 | 84 | 9 | | | | | | | | | | | | | 203 | 24 |
| 22 | | | 187 | 23 | 11 | 1 | | | | | | | | | | | | | 198 | 24 |
| 23 | 6 | 1 | 179 | 23 | | | | | | | | | | | | | | | 185 | 24 |
| 24 | 28 | 5 | 23 | 4 | | | | | | | | | 15 | 3 | 75 | 12 | | | 141 | 24 |
| 25 | | | | | | | | | | | 27 | 5 | 120 | 19 | | | | | 147 | 24 |
| 26 | 8 | 1 | | | | | | | | | 21 | 2 | 56 | 10 | 63 | 8 | 3 | 3 | 151 | 24 |
| 27 | 89 | 13 | 46 | 7 | | | | | | | | | | | 22 | 4 | | | 157 | 24 |
| 28 | 30 | 5 | 31 | 8 | | | 5 | 1 | 31 | 4 | 7 | 1 | | | 30 | 5 | | | 134 | 24 |
| 29 | 36 | 5 | 112 | 15 | 17 | 3 | 8 | 1 | | | | | | | | | | | 173 | 24 |
| 30 | | | 59 | 9 | 77 | 11 | 29 | 4 | | | | | | | | | | | 165 | 24 |
| 31 | | | 6 | 1 | 66 | 14 | 59 | 9 | | | | | | | | | | | 131 | 24 |
| Sum, | 499 | 84 | 1588 | 239 | 538 | 77 | 212 | 33 | 445 | 55 | 931 | 100 | 453 | 61 | 712 | 89 | 6 | 6 | 5384 | 744 |
| Percentage, | 9 | 11 | 30 | 32 | 10 | 10 | 4 | 5 | 8 | 7 | 17 | 14 | 9 | 8 | 13 | 12 | 0 | 1 | a | a |
| Avg. Hourly Velocity, | 5.9 | a | 6.6 | a | 7.0 | a | 6.4 | a | 8.1 | a | 9.3 | a | 7.4 | a | 8.0 | a | 1.0 | a | 7.2 | a |

Wind data corrected to true velocity.

# ORIGINAL MONTHLY RECORD OF OBSERVATIONS at Fort Wayne, Ind., for the Month of SEP - 1933, 193

Number of Station barometer, 656; sum of corrections, -.052 inch.

OBSERVATIONS AT 8 A. M. 75TH MERIDIAN TIME, WHICH CORRESPONDS TO 7:00 A. M. 90 MERIDIAN TIME, THE STANDARD OF TIME IN LOCAL USE; 7:19 A. M. LOCAL MEAN TIME.

| Date. | Barometer. Attached thermometer. | Barometer. Observed reading. | Barometer. Total correction. | Barometer. Station. (Observed reading plus total cor.) (b) | Barometer. Reduced to sea-level. (b) | Thermometers. Dry. (b) | Thermometers. Wet. (b) | Dew-point. (b) | Relative humidity. (b) | Vapor pressure. (b) | Self-Reg. Ther's Max. (b) | Self-Reg. Ther's Min. (b) | Wind. Dir. | Wind. Velocity. (b) † | Wind. Max. during preceding 12 hours. | Wind. Dir. | Precipitation. Amt. at 8 a. m. (b) †† | Clouds. Amt. | Clouds. Kind. | Dir. from. | State of Weather. | Visibility. 8 a. m. | Visibility. Local noon. | Visibility. 8 p. m. | Initials of Observer: | Date. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | In. | | In. | In. | ° | ° | ° | % | In. | ° | ° | | Mi. | Mi. | | In. | | | | | | | | | |
| 1 | 75.0 | 29.364 | .175 | 29.189 | 30.11 | 64.0 | 62.8 | 62 | 94 | .555 | 74.0 | 60.2 | SE | 3 | | | 0 | 0 | — | — | Clear | 6 | 7 | 6 | BBW | 1 |
| 2 | 77.5 | 29.298 | .181 | 29.117 | 30.03 | 67.2 | 62.4 | 60 | 77 | .517 | 78.3 | 64.5 | S | 6 | | | 0 | 1<br>7 ew | ci st<br>cu | P | Clear | 7 | 7 | 5 | L.C.S. | 2 |
| 3 | 80.0 | 29.264 | .188 | 29.076 | 29.99 | 71.0 | 70.1 | 70 | 96 | .732 | 72.9 | 69.8 | SE | 2 | | | 0.19 | 10 | St Cu | S | Cloudy | 6 | 7 | 6 | P.A.L. | 3 |
| 4 | 79.0 | 29.345 | .185 | 29.160 | 30.07 | 72.0 | 70.0 | 69 | 91 | .707 | 76.9 | 70.0 | NW | 6 | | | 0 | 7 ew | a cu | W | Clear | 6 | 6 | 6 | B.B.W. | 4 |
| 5 | 79.0 | 29.384 | .186 | 29.198 | 30.11 | 68.6 | 67.0 | 66 | 92 | .638 | 82.0 | 66.3 | E | 4 | | | 0.50 | 10 | St Cu | SW | Cloudy | 6 | 6 | 6 | BBW. | 5 |
| 6 | 78.5 | 29.275 | .184 | 29.091 | 30.00 | 70.0 | 66.1 | 64 | 81 | .595 | 81.0 | 67.0 | SW | 7 | | | 0 | 0 | — | — | Clear | 6 | 7 | 7 | BBW | 6 |
| 7 | 81.0 | 29.283 | .190 | 29.043 | 29.94 | 71.8 | 67.0 | 65 | 79 | .616 | 82.1 | 70.3 | W | 5 | | | 0 | 4<br>5 | a st<br>a cu | NW | Cloudy | 6 | 7 | 6 | BBW | 7 |
| 8 | 81.0 | 29.318 | .191 | 29.127 | 30.03 | 73.0 | 67.6 | 65 | 76 | .616 | 84.5 | 68.5 | SW | 6 | | | 0 | 0 | — | — | Clear | 7 | 7 | 7 | BBW | 8 |
| 9 | 82.0 | 29.223 | .193 | 29.030 | 29.92 | 71.0 | 65.9 | 63 | 77 | .575 | 85.2 | 68.1 | W | 8 | | | 0 | 7 ew | a St | W | Clear | 7 | 7 | 7 | BBW | 9 |
| 10 | 85.0 | 29.181 | .201 | 28.980 | 29.88 | 66.1 | 63.0 | 61 | 85 | .536 | 82.5 | 63.5 | NW | 3 | | | 0 | 3<br>6 | a st<br>a Cu | W<br>W | Cloudy | 6 | 7 | 7 | L.C.S. | 10 |
| 11 | 80.0 | 29.064 | .187 | 28.877 | 29.79 | 62.0 | 60.5 | 60 | 92 | .517 | 75.6 | 61.3 | NE | 9 | | | 0.16 | 9<br>1 | st<br>St | W<br>NE | Cloudy | 6 | 6 | 6 | BBW | 11 |
| 12 | 73.0 | 29.228 | .169 | 29.059 | 29.98 | 56.7 | 53.0 | 50 | 79 | .360 | 60.0 | 56.0 | NE | 10 | | | 1.09 | 10 | St | NE | Cloudy | 6 | 7 | 7 | BBW | 12 |
| 13 | 72.0 | 29.350 | .167 | 29.183 | 30.10 | 55.0 | 54.0 | 53 | 94 | .402 | 66.0 | 54.0 | NE | 10 | | | 0.24 | 10 | St | E | Cloudy | 6 | 7 | 7 | BBW | 13 |
| 14 | 72.0 | 29.299 | .167 | 29.132 | 30.05 | 54.1 | 53.0 | 52 | 98 | .387 | 65.0 | 54.0 | NE | 12 | | | 0.37 | 10 | St | E | Cloudy | 6 | 5 | 6 | BBW | 14 |
| 15 | 69.0 | 29.296 | .159 | 29.137 | 30.06 | 58.0 | 56.0 | 55 | 89 | .432 | 59.6 | 57.3 | NE | 10 | | | 0 | 10 | St | E | Cloudy | 6 | 6 | 6 | BBW | 15 |
| 16 | 69.5 | 29.240 | .160 | 29.080 | 30.00 | 62.0 | 61.0 | 60 | 94 | .517 | 63.6 | 60.4 | E | 2 | | | T | 10<br>10 | St<br>Lt fog | E<br>E | Cloudy | 4 | 7 | 6 | L.C.S. | 16 |
| 17 | 73.0 | 29.183 | .169 | 29.014 | 29.93 | 61.1 | 59.0 | 58 | 88 | .482 | 72.0 | 60.0 | SW | 6 | | | .02 | 0 | — | — | Clear | 8 | 9 | 9 | BBW | 17 |
| 18 | 73.0 | 29.260 | .169 | 29.091 | 30.01 | 59.0 | 53.8 | 50 | 72 | .360 | 74.0 | 54.0 | NW | 7 | | | 0 | — | — | — | Clear | 8 | 8 | 8 | BBW | 18 |
| 19 | 72.5 | 29.140 | .168 | 28.972 | 29.89 | 61.0 | 56.0 | 52 | 74 | .387 | 69.8 | 57.0 | SW | 7 | | | T | 4<br>5<br>1 | a St<br>St Cu<br>ne | W<br>W | sprinkling | 7 | 5 | 7 | BBW | 19 |
| 20 | 72.5 | 28.980 | .167 | 28.813 | 29.71 | 57.2 | 49.8 | 43 | 60 | .277 | 77.8 | 56.1 | SW | 14 | | | 0 | 0 | — | — | Clear | 7 | 7 | 7 | BBW | 20 |
| 21 | 70.0 | 29.164 | .161 | 29.003 | 29.93 | 53.7 | 50.7 | 48 | 82 | .334 | 60.5 | 52.0 | W | 9 | | | T | 1 | St Cu | NW | Clear | 8 | 8 | 8 | BBW | 21 |
| 22 | 68.0 | 29.180 | .156 | 29.024 | 29.95 | 54.0 | 51.0 | 49 | 82 | .347 | 58.4 | 51.0 | SE | 7 | | | T | 9 | St Cu | NW | Cloudy | 6 | 6 | 5 | BBW | 22 |
| 23 | 72.0 | 29.060 | .166 | 28.894 | 29.81 | 63.6 | 60.0 | 57 | 81 | .465 | 64.5 | 60.0 | S | 8 | | | 0.26 | 3<br>1<br>4 | ci<br>ci Cu<br>Cu | W<br>W<br>S | Cloudy | 7 | 8 | 7 | L.C.S. | 23 |
| 24 | 72.5 | 29.196 | .168 | 29.028 | 29.94 | 67.2 | 63.2 | 61 | 80 | .536 | 71.8 | 65.6 | SW | 4 | | | 0 | 3<br>2 | Ci<br>Cu | SW<br>S | Pt Cloudy | 8 | 8 | 7 | P.A.L. | 24 |
| 25 | 75.0 | 29.273 | .175 | 29.098 | 30.01 | 69.0 | 64.0 | 61 | 77 | .536 | 78.9 | 65.8 | S | 7 | | | 0 | 7 sw<br>7<br>1 | ci<br>St Cu<br>ci | W<br>S<br>SW? | Pt Cloudy | 7 | 8 | 7 | BBW | 25 |
| 26 | 76.0 | 29.168 | .177 | 28.991 | 29.90 | 72.2 | 67.0 | 65 | 77 | .616 | 72.5 | 70.0 | SW | 14 | | | T | 8 | St Cu | SW | Cloudy | 8 | 6 | 6 | BBW | 26 |
| 27 | 74.0 | 29.155 | .172 | 28.983 | 29.90 | 58.7 | 58.0 | 57 | 96 | .465 | 65.0 | 58.0 | N | 12 | | | 1.32 | 10 | St Cu | N | misting | 7 | 8 | 7 | BBW | 27 |
| 28 | 72.0 | 29.283 | .167 | 29.116 | 30.05 | 51.2 | 50.0 | 49 | 92 | .347 | 62.1 | 48.0 | NW | 6 | | | 0 | 4 | a Cu | NW | Pt Cloudy | 6 | 7 | 6 | BBW | 28 |
| 29 | 70.5 | 29.253 | .163 | 29.090 | 30.02 | 51.0 | 50.0 | 49 | 94 | .347 | 63.0 | 49.6 | NW | 4 | | | 0 | 0 | — | — | Clear | 6 | 8 | 7 | BBW | 29 |
| 30 | 71.0 | 29.210 | .164 | 29.046 | 29.97 | 55.2 | 51.1 | 48 | 76 | .334 | 63.8 | 53.1 | SE | 5 | | | 0 | 3 | Ci | W | Clear | 6 | 7 | 7 | BBW | 30 |
| 31 | | | | | | | | | | | | | | | | | | | | | | | | | | 31 |
| Sums | | (a) | (a) | 871.642 | 899.08 | 18766 | 17830 | 1722 | 2520 | 14.535 | (a) | (a) | (a) | 213 | | | 4.15 | 165 | (a) | (a) | (a) | (a) | (a) | (a) | (a) | |
| Means | | (a) | (a) | 29.055 | 29.969 | 626 | 59.4 | 57.4 | 84.0 | .484 | (a) | (a) | (c) SW | 7.1 | | | (a) | 5.5 | U Ci<br>L St. Cu | U W<br>L E | (a) | (a) | (a) | (a) | (a) | |

8—154 Reference letters in this form refer to paragraph 121, "Instructions for Preparing Meteorological Forms."

† By dial when self-register is out of order.
†† T indicates trace of precipitation.

Wind data corrected to true velocity.

U, upper clouds. L, lower clouds.

Use visibility scale in "Instructions for Preparing Meteorological Forms."

# ORIGINAL MONTHLY RECORD OF OBSERVATIONS at Fort Wayne, Ind., for the Month of SEP - 1933, 193

Number of Station barometer, 656; sum of corrections, -.052 inch.

OBSERVATIONS AT 8 P. M. 75TH MERIDIAN TIME, WHICH CORRESPONDS TO 7.00 P. M. 90 MERIDIAN TIME, THE STANDARD OF TIME IN LOCAL USE; 7.19 P. M. LOCAL MEAN TIME.

| Date. | Barometer. Attached thermometer. | Barometer. Observed reading. | Barometer. Total correction. | Barometer. Station. (Observed reading plus total cor.) (b) | Barometer. Reduced to sea-level. (b) | Thermometers. Dry. (b) | Thermometers. Wet. (b) | Dew-point. (b) | Relative humidity. (b) | Vapor pressure. (b) | Self-Reg. Ther's. Max. (b) | Self-Reg. Ther's. Min. (b) | Wind. Dir. | Wind. Velocity. (b) † | Wind. Max. during preceding 12 hours. | Wind. Dir. | Precipitation. Amt. at 8 p. m. (b) †† | Clouds. Amt. | Clouds. Kind. | Clouds. Dir. from. | State of Weather. | Fog, Mid. to Mid. (Local standard time.) Light (f). Began. | Light (f). Ended. | Dense (f). Began. | Dense (f). Ended. | Initials of observer. | Date. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | In. | | In. | In. | ° | ° | ° | % | In. | ° | ° | | Mi. | Mi. | | In. | | | | | | | | | | |
| 1 | 81.5 | 29.282 | .192 | 29.090 | 30.00 | 78.3 | 65.3 | 58 | 50 | .482 | 83.1 | 64.0 | SE | 8 | | | 0 | 1 / 1 | Ci Cu / St | W / SE | Clear | | | | | L.C.S. | 1 |
| 2 | 80.5 | 29.250 | .189 | 29.061 | 29.97 | 72.9 | 70.4 | 69 | 89 | .707 | 83.2 | 67.2 | SW | 2 | | | 0.10 | 10 | St Cu | ? | Cloudy | | | | | P.A.L. | 2 |
| 3 | 80.0 | 29.256 | .188 | 29.068 | 29.98 | 76.9 | 72.1 | 70 | 80 | .732 | 81.3 | 71.0 | W | 3 | | | .03 | 10 | St | W | Cloudy | | | | | P.A.L. | 3 |
| 4 | 84.0 | 29.345 | .199 | 29.146 | 30.06 | 82.0 | 70.2 | 64 | 56 | .595 | 90.0 | 72.0 | SE | 5 | | | 0 | 7 ew / 7 cw | Ci / Cu | NW / O | Clear | | | | | B.K.W. | 4 |
| 5 | 85.0 | 29.296 | .201 | 29.095 | 30.01 | 81.0 | 69.5 | 64 | 56 | .595 | 87.5 | 68.6 | SW | 5 | | | 0 | 0 | — | — | Clear | | | | | L.C.S. | 5 |
| 6 | 86.5 | 29.169 | .205 | 28.964 | 29.86 | 82.1 | 70.6 | 65 | 57 | .616 | 89.9 | 70.0 | SW | 7 | | | 0 | 2 / 1 | A Cu / Cu | W / SW | Clear | | | | | L.C.S. | 6 |
| 7 | 88.0 | 29.256 | .209 | 29.047 | 29.94 | 84.5 | 72.5 | 68 | 56 | .684 | 91.0 | 71.8 | E | 7 | | | 0 | 1 / 2 | A Cu / Cu | E / E | Clear | | | | | L.C.S. | 7 |
| 8 | 90.0 | 29.260 | .214 | 29.046 | 29.94 | 85.2 | 70.7 | 64 | 49 | .595 | 94.7 | 73.0 | S | 8 | | | 0 | 0 | — | — | Clear | | | | | L.C.S. | 8 |
| 9 | 90.0 | 29.135 | .214 | 28.921 | 29.82 | 82.5 | 72.0 | 68 | 60 | .684 | 94.8 | 71.0 | NW | 9 | | | 0 | 0 | — | — | Clear | | | | | L.C.S. | 9 |
| 10 | 87.5 | 29.113 | .207 | 28.906 | 29.82 | 75.6 | 61.6 | 53 | 45 | .402 | 79.8 | 66.1 | N | 3 | | | 0 | 10 | St Cu | N | Cloudy | | | | | L.C.S. | 10 |
| 11 | 78.0 | 29.073 | .181 | 28.892 | 29.81 | 59.8 | 58.3 | 58 | 92 | .482 | 70.6 | 59.8 | NE | 10 | | | 0.11 | 10 | St | NE | misting | | | | | L.C.S. | 11 |
| 12 | 77.0 | 29.304 | .180 | 29.124 | 30.04 | 66.0 | 57.4 | 52 | 60 | .387 | 69.6 | 56.7 | NE | 10 | | | 0 | 10 | St | NE | Cloudy | | | | | L.C.S. | 12 |
| 13 | 74.0 | 29.280 | .172 | 29.108 | 30.03 | 65.0 | 60.6 | 58 | 78 | .482 | 67.0 | 55.0 | NE | 12 | | | T | 10 | St | NE | Cloudy | | | | | L.C.S. | 13 |
| 14 | 71.0 | 29.318 | .164 | 29.154 | 30.08 | 59.3 | 56.3 | 54 | 83 | .417 | 59.3 | 54.1 | NE | 10 | | | T | 10 | St | NE | Cloudy | 7:05A | 5:00P | | | L.C.S. | 14 |
| 15 | 70.5 | 29.248 | .163 | 29.085 | 30.00 | 63.6 | 61.2 | 60 | 88 | .517 | 65.2 | 58.0 | E | 7 | | | T | 10 | St | E | Cloudy | | | | | L.C.S. | 15 |
| 16 | 75.5 | 29.096 | .175 | 28.921 | 29.83 | 72.0 | 71.0 | 71 | 95 | .757 | 83.7 | 62.0 | E | 4 | | | 0.68 | 10 | Nb | NW? | Light Rain FB | D.N.A | 9:00A | | | B.K.W. | 16 |
| 17 | 77.5 | 29.132 | .181 | 28.951 | 29.86 | 74.0 | 58.8 | 48 | 40 | .334 | 84.0 | 61.1 | NW | 7 | | | 0 | 0 | — | — | Clear | | | | | B.K.W. | 17 |
| 18 | 78.0 | 29.252 | .183 | 29.069 | 29.99 | 69.8 | 56.0 | 45 | 41 | .298 | 76.9 | 59.0 | NW | 4 | | | 0 | 1 | Cu | ? | Clear | | | | | L.C.S. | 18 |
| 19 | 77.5 | 28.932 | .180 | 28.752 | 29.65 | 77.8 | 71.8 | 69 | 75 | .707 | 82.0 | 61.0 | SW | 12 | | | 0.42 | 4 | Cu Nb | W | P+Cloudy FB | | | | | L.C.S. | 19 |
| 20 | 74.0 | 29.081 | .171 | 28.910 | 29.83 | 60.5 | 52.5 | 46 | 58 | .310 | 67.8 | 57.2 | NW | 12 | | | 0 | 3 / 4 | A Cu / St Cu | W / NW | P+ Cloudy | | | | | L.C.S. | 20 |
| 21 | 74.0 | 29.186 | .172 | 29.014 | 29.94 | 58.4 | 52.9 | 48 | 69 | .334 | 65.5 | 53.7 | N | 7 | | | 0 | 0 | — | — | Clear | | | | | L.C.S. | 21 |
| 22 | 71.0 | 29.090 | .163 | 28.927 | 29.85 | 60.0 | 59.0 | 58 | 94 | .482 | 68.8 | 54.0 | SW | 9 | | | 0.56 | 10 | St Cu | SW | Mod. Rain FB | | | | | L.C.S. | 22 |
| 23 | 75.0 | 29.093 | .174 | 28.919 | 29.83 | 71.8 | 67.8 | 66 | 82 | .638 | 76.8 | 63.6 | S | 8 | | | 0 | 4 / 3 | St Cu / St | S / SW | P+ Cloudy | | | | | P.A.L. | 23 |
| 24 | 79.0 | 29.227 | .185 | 29.042 | 29.94 | 78.9 | 71.0 | 67 | 68 | .661 | 83.8 | 67.2 | SE | 4 | | | 0 | 3 / 3 / 5 | St Cu / St Cu | S / S | P+ Cloudy | | | | | P.A.L. | 24 |
| 25 | 78.0 | 29.233 | .182 | 29.051 | 29.96 | 70.3 | 68.0 | 67 | 89 | .661 | 81.7 | 69.0 | S | 12 | | | .02 | 5 / 6 | Nb / St Cu | S / SW | Sprinkling | | | | | L.C.S. | 25 |
| 26 | 75.0 | 29.118 | .174 | 28.944 | 29.85 | 65.0 | 64.7 | 64 | 98 | .595 | 75.4 | 65.0 | SW | 6 | | | 0.53 | 4 | Nb | SW | Mod. Rain FB | | | | | L.C.S. | 26 |
| 27 | 77.0 | 29.277 | .180 | 29.097 | 30.02 | 62.1 | 53.8 | 48 | 58 | .334 | 68.0 | 58.7 | NW | 4 | | | T | 0 | — | — | Clear | | | | | L.C.S. | 27 |
| 28 | 73.0 | 29.135 | .169 | 28.966 | 29.90 | 63.0 | 60.0 | 58 | 84 | .482 | 66.2 | 51.2 | 0 | 0 | | | T | 3 | A Cu | W | Clear | D.N.A. | 6:40A | | | L.C.S. | 28 |
| 29 | 74.5 | 29.224 | .173 | 29.051 | 29.98 | 63.8 | 53.0 | 44 | 49 | .287 | 71.0 | 51.0 | S | 6 | | | 0 | 0 | — | — | Clear | D.N.A. | 6:15A | | | L.C.S. | 29 |
| 30 | 75.5 | 29.043 | .175 | 28.868 | 29.78 | 77.0 | 70.8 | 68 | 74 | .684 | 80.0 | 55.2 | S | 14 | | | 0 | 3 | St | S | Clear | | | | | L.C.S. | 30 |
| 31 | | | | | | | | | | | | | | | | | | | | | | | | | | | 31 |
| Sums | | (a) | (a) | 870.189 | 897.57 | 2139.1 | 1919.8 | 1792 | 2073 | 15.941 | (a) | (a) | (a) | 215 | (a) | (a) | 2.45 | 157 | (a) | (a) | (a) | (a) | (a) | (a) | (a) | (a) | (a) |
| Means | | (a) | (a) | 29.006 | 29.919 | 71.3 | 64.0 | 59.7 | 69.1 | .531 | (a) | (a) | (c) SW | 7.2 | (a) | (a) | (a) | 5.2 | U Cu / L St | U W / L S-SW | (a) | (a) | (a) | (a) | (a) | (a) | (a) |

Observations are begun about 7.40 o'clock, 75th meridian time.

† By dial when self-register is out of order.
†† T indicates trace of precipitation.

Wind data corrected to true velocity.

U, upper clouds. L, lower clouds.

# ORIGINAL MONTHLY RECORD OF OBSERVATIONS at Fort Wayne, Ind., for the Month of SEP - 1933, 193

| Date. | TEMPERATURE. Maximum. (b) | Minimum (b) | Range. (b) | Change. (b) | Mean (max. and min.). (b) | Normal. | Departure. | Total excess or deficiency since 1st of month. | PRECIPITATION. Character. ‡ | Beginning. | Ending. | Character ‡ | Beginning. | Ending. | Character. ‡ | Beginning. | Ending. | Character. ‡ | Beginning. | Ending. | Total (mid. to mid.). (b)†† | Normal. | Departure. | Total excess or deficiency since 1st of month. | Hail and sleet unmelted. 7p. m. to 7p. m. *‡‡ | Snow unmelted. 7p.m. to 7p.m. *‡‡ | Hail, sleet, and snow on ground at 7p.m. *‡‡ | Amount of precipitation from melted snow (mid. to mid.). | Date. | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | ° | ° | ° | ° | ° (69) | | | | | | | | | | | | | | | | In. | | | (-1.24) | In. | In. | In. | In. | | |
| Friday 1 | 83 | 60 | 23 | 3 | 72 | | | | | | | | | | | | | | | | 0 | .08 | -.08 | -.08 | 0 | 0 | 0 | 0 | 1 | |
| 2 | 83 | 64 | 19 | 2 | 74 | | | | | | | | | | | | | | | | 0.29 | .10 | +.19 | +.11 | 0 | 0 | 0 | 0 | 2 | |
| 3 | 81 | 70 | 11 | 2 | 76 | | | | | | | | | | | | | | | | .03 | .11 | -.08 | +.03 | 0 | 0 | 0 | 0 | 3 | |
| 4 | 90 | 68 | 22 | 3 | 79 | | | | | | | | | | | | | | | | T | .11 | -.11 | -.08 | 0 | 0 | 0 | 0 | 4 | R |
| 5 | 88 | 66 | 22 | 2 | 77 | | | | | | | | | | | | | | | | 0.50 | .11 | +.39 | +.31 | 0 | 0 | 0 | 0 | 5 | R |
| 6 | 90 | 67 | 23 | 1 | 78 | | | | | | | | | | | | | | | | 0 | .11 | -.11 | +.20 | 0 | 0 | 0 | 0 | 6 | |
| 7 | 91 | 70 | 21 | 2 | 80 | | | | | | | | | | | | | | | | 0 | .10 | -.10 | +.10 | 0 | 0 | 0 | 0 | 7 | |
| 8 | 95 | 68 | 27 | 2 | 82 | | | | | | | | | | | | | | | | 0 | .10 | -.10 | .00 | 0 | 0 | 0 | 0 | 8 | |
| 9 | 95 | 68 | 27 | 0 | 82 | | | | | | | | | | | | | | | | 0 | .10 | -.10 | -.10 | 0 | 0 | 0 | 0 | 9 | |
| 10 | 80 | 64 | 16 | 10 | 72 | | | | | | | | | | | | | | | | T | .10 | -.10 | -.20 | 0 | 0 | 0 | 0 | 10 | |
| 11 | 71 | 58 | 13 | 8 | 64 | | 1 | | | | | | | | | | | | | | 1.12 | .10 | +1.02 | +.82 | 0 | 0 | 0 | 0 | 11 | R |
| 12 | 70 | 56 | 14 | 1 | 63 | | 2 | | | | | | | | | | | | | | 0.24 | .10 | +.14 | +.96 | 0 | 0 | 0 | 0 | 12 | |
| 13 | 67 | 54 | 13 | 3 | 60 | | 5 | | | | | | | | | | | | | | 0.25 | .10 | +.15 | +1.11 | 0 | 0 | 0 | 0 | 13 | |
| 14 | 62 | 54 | 8 | 2 | 58 | | 7 | | | | | | | | | | | | | | 0.36 | .10 | +.26 | +1.37 | 0 | 0 | 0 | 0 | 14 | |
| 15 | 65 | 57 | 8 | 3 | 61 | | 4 | | | | | | | | | | | | | | T | .10 | -.10 | +1.27 | 0 | 0 | 0 | 0 | 15 | |
| 16 | 84 | 60 | 24 | 11 | 72 | | | | | | | | | | | | | | | | 0.70 | .10 | +.60 | +1.87 | 0 | 0 | 0 | 0 | 16 | R |
| 17 | 84 | 60 | 24 | 0 | 72 | | | | | | | | | | | | | | | | 0 | .10 | -.10 | +1.77 | 0 | 0 | 0 | 0 | 17 | |
| 18 | 77 | 54 | 23 | 6 | 66 | | | | | | | | | | | | | | | | 0 | .10 | -.10 | +1.67 | 0 | 0 | 0 | 0 | 18 | |
| 19 | 82 | 57 | 25 | 4 | 70 | | | | | | | | | | | | | | | | 0.42 | .10 | +.32 | +1.99 | 0 | 0 | 0 | 0 | 19 | R |
| 20 | 68 | 56 | 12 | 8 | 62 | | 3 | | | | | | | | | | | | | | T | .11 | -.11 | +1.88 | 0 | 0 | 0 | 0 | 20 | |
| 21 | 66 | 52 | 14 | 3 | 59 | | 6 | | | | | | | | | | | | | | 0 | .11 | -.11 | +1.77 | 0 | 0 | 0 | 0 | 21 | |
| 22 | 69 | 51 | 18 | 1 | 60 | | 5 | | | | | | | | | | | | | | 0.79 | .11 | +.68 | +2.45 | 0 | 0 | 0 | 0 | 22 | R |
| 23 | 77 | 62 | 15 | 10 | 70 | | | | | | | | | | | | | | | | .03 | .10 | -.07 | +2.38 | 0 | 0 | 0 | 0 | 23 | |
| 24 | 84 | 66 | 18 | 5 | 75 | | | | | | | | | | | | | | | | 0 | .10 | -.10 | +2.28 | 0 | 0 | 0 | 0 | 24 | |
| 25 | 82 | 66 | 16 | 1 | 74 | | | | | | | | | | | | | | | | .02 | .11 | -.09 | +2.19 | 0 | 0 | 0 | 0 | 25 | |
| 26 | 75 | 64 | 11 | 4 | 70 | | | | | | | | | | | | | | | | 1.53 | .10 | +1.43 | +3.62 | 0 | 0 | 0 | 0 | 26 | R |
| 27 | 68 | 54* | 14 | 9 | 61 | | 4 | | | | | | | | | | | | | | 0.32 | .10 | +.22 | +3.84 | 0 | 0 | 0 | 0 | 27 | |
| 28 | 66 | 48 | 18 | 4 | 57 | | 8 | | | | | | | | | | | | | | T | .10 | -.10 | +3.74 | 0 | 0 | 0 | 0 | 28 | |
| 29 | 71 | 50 | 21 | 3 | 60 | | 5 | | | | | | | | | | | | | | 0 | .10 | -.10 | +3.64 | 0 | 0 | 0 | 0 | 29 | |
| 30 | 80 | 53 | 27 | 6 | 66 | | | | | | | | | | | | | | | | 0.84 | .10 | +.74 | +4.38 | 0 | 0 | 0 | 0 | 30 | R |
| 31 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 31 | |
| S | 2344 | 1797 | 547 | 119 | 2072 | | Total excess or deficiency since Jan. 1, | | (a) | (a) | (a) | (a) | (a) | (a) | (a) | (a) | (a) | (a) | (a) | (a) | 7.44 | 3.06 | Total excess or deficiency since Jan. 1, | | 0 | 0 | (a) | (a) | (a) | |
| M | 78.1 | 59.9 | 18.2 | 4.0 | (a) | (a) | 50 | | (a) | (a) | (a) | (a) | (a) | (a) | (a) | (a) | (a) | (a) | (a) | (a) | (a) | (a) | +3.14 | | (a) | (a) | (a) | (a) | (a) | |

All data are in the standard of time in local use. ‡ Use the following abbreviations: R—rain, $S^d$—dry snow, $S^m$—moist snow, H—hail, Sl—sleet. †† T indicates trace of precipitation. ‡‡ Enter the local standard time of observation. * Inches and tenths

64.0
* Interpolated



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# SUMMARY FOR THE MONTH OF SEP - 1933, 193

The 8 a. m. and 8 p. m. means of pressure, dry and wet thermometers, dew-point, humidity, vapor pressure, and mean cloudiness are in 75th meridian time. All other data are in the standard of time in local use.

## PRESSURE.

(Correction to reduce to a 24-hour mean -.005)

### STATION.

| Mean. 8 a. m. | Mean. 8 p. m. | Mean. Monthly. (g) | Highest. (h) | Date. | Lowest. (h) | Date. | Absolute range. |
|---|---|---|---|---|---|---|---|
| 29.055 | 29.006 | 29.030 | 29.220 | 5 | 28.752 | 19 | 0.468 |
| Corrected mean.... | | 29.025 | | | | | |

### REDUCED.

| Mean. 8 a. m. | Mean. 8 p. m. | Mean. Monthly. (g) | Highest. (h) | Date. | Lowest. (h) | Date. | Absolute range. |
|---|---|---|---|---|---|---|---|
| 29.969 | 29.919 | 29.944 | 30.13 | 5 | 29.65 | 19 | 0.48 |
| Corrected mean.... | | 29.939 | | | | | |

## TEMPERATURE.

### MEAN.

| Dry. 8 a. m. | Dry. 8 p. m. | Dry. (8+8)÷2 (g) | Wet. 8 a. m. | Wet. 8 p. m. | Wet. Monthly. (g) | Max. | Min. | Monthly. (g) |
|---|---|---|---|---|---|---|---|---|
| 62.6 | 71.3 | 67.0 | 59.4 | 64.0 | 61.7 | 78.1 | 59.9 | 69.0 |

| Highest. (i) | Date. (i) | Lowest. (i) | Date. (i) | Absolute range. | Greatest daily range. (i) | Date. (i) | Least daily range. (i) | Date. (i) |
|---|---|---|---|---|---|---|---|---|
| 95 | 9 | 48 | 28 | 47 | 27 | 30 | 8 | 15 |

| Dew-point. 8 a. m. | Dew-point. 8 p. m. | Dew-point. Monthly. (g) | Relative Humidity. 8 a. m. | Relative Humidity. 8 p. m. | Relative Humidity. Monthly. (g) | Vapor Pressure. 8 a. m. | Vapor Pressure. 8 p. m. | Vapor Pressure. Monthly. (g) |
|---|---|---|---|---|---|---|---|---|
| 57.4 | 59.7 | 58.6 | 84.0 | 69.1 | 76.6 | .484 | .531 | .508 |

| Number of days with—(j) Maximum. 32° or below. | Maximum. 90° or above. | Minimum. 32° or below. | Minimum. Zero or below. |
|---|---|---|---|
| 0 | 4 | 0 | 0 |

**CLOUDS.**

Most frequent clouds: St. Cu.

Most frequent direction upper clouds: W

Most frequent direction lower clouds: S

## WIND.

(Wind data corrected to true velocity.)

| Total movement (mid. to mid.). | Average hourly velocity. | Prevailing direction. (p) | Maximum velocity. (r) | Direction. (r) | Date. (r) |
|---|---|---|---|---|---|
| 5962 | 8.3 | SW | 25 | W | 17 |

| Number of Times Wind Observed from the— N. | NE. | E. | SE. | S. | SW. | W. | NW. | Calm. |
|---|---|---|---|---|---|---|---|---|
| 3 | 9 | 5 | 7 | 8 | 13 | 4 | 10 | 1 |

## WEATHER.

| Mean Cloudiness. 8 a. m. | 8 p. m. | Monthly. (t) | Sunshine. Percentage of possible. | Number of Days. Clear. | Partly cloudy. | Cloudy. |
|---|---|---|---|---|---|---|
| 5.5 | 5.2 | 5.5 | 52 | 10 | 9 | 11 |

| Number of Days with Precipitation (Mid. to Mid.). Clear. (u) | Partly cloudy. (u) | Cloudy. (u) |
|---|---|---|
| 1 | 5 | 9 |

## MISCELLANEOUS PHENOMENA.

DATES OF—(MIDNIGHT TO MIDNIGHT).

| Frosts. Light. | Heavy. | Killing. | Thunderstorms. (v) | Winds. (32 miles or over.) | Solar Halos. | Lunar Halos. | Fog. Light. | Dense. | Haze. Light. | Dense. | Smoke. Light. | Dense. | Hail. | Aurora. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 0 | 0 | 26, 30 4, 5, 11, 16, 19, 22, | 0 | 23 | 0 | 29, 14, 16, 28 | 0 | 16, 4, 11, 15, | 0 | 0 | 0 | 0 | 0 |

## PRECIPITATION (in inches and hundredths). (m)

| Total Amount | Greatest Amount in 24 Consecutive Hours. Amt. | Date. (k) | Excessive. 2.50 Inches in 24 Hours. (l) * Amt. | Duration. h. m. | Date. (k) | 1 Inch per Hour. (l) Amt. | Duration. h. m. | Date. (k) |
|---|---|---|---|---|---|---|---|---|
| 7.44 | 1.85 | 26-27 | 0 | — | — | 0 | — | — |

| Number of days with—(Mid. to Mid.). Trace. | .01 or more. | .04 or more. | .25 or more. | 1.00 or more. | Total. | Snow. Trace or more. | Snow. .01 or more melted. | Snow. Total Depth. (o) | Snow. Average Depth at End of Month. |
|---|---|---|---|---|---|---|---|---|---|
| 5 | 15 | 12 | 11 | 2 | 20 | 0 | 0 | 0 | 0 |

(w) Maximum precipitation in 5 minutes 0.24, date 5; 10 minutes 0.37, date 5; 15 minutes 0.46, date 16;

30 minutes 0.62, date 30; 1 hour 0.73, date 30; 2 hours 0.84, date 11.

## EXCESSIVE.

| Date. | Total Duration. From— | To— | Total amount of precipitation. | Excessive Rate. Began— | Ended— | Amt. before excessive began. | Accumulated Depths During Excessive Rate for Consecutive Periods of Time Indicated Below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 26 | 1:30P | 7:05A 27 | 1.84 | 6:04P | 6:19P | .05 | 0.17 | 0.28 | 0.36 | .39 | .42 | .44 | .45 | .46 | .47 | .50 | .52 | .60 | .63 | .64 |
| 5 | 5:12A | 6:36A | 0.50 | 6:09A | 6:21A | .08 | 0.10 | 0.34 | 0.41 | .41 | .41 | .41 | .42 | .42 | .42 | .42 | .42 | .42 | .42 | .42 |
| 16 | 5:40P | 8:45P | 0.70 | 5:54P | 6:17P | .03 | 0.20 | 0.30 | 0.45 | 0.51 | 0.55 | .57 | .59 | .62 | .64 | .65 | .65 | .65 | .65 | .66 |
| 30 | 9:25P | 0NA OCT1 | 1.13 | 9:27P | 10:01P | .01 | 0.13 | 0.20 | 0.28 | .39 | .52 | .62 | .68 | .70 | .71 | .71 | .72 | .73 | .78 | .80 |

* The duration is the time precipitation was actually recorded.

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Prepared by ..... B B Richter Meteorologist, Weather Bureau.

(6)

ORIGINAL MONTHLY RECORD OF OBSERVATIONS at Fort Wayne, Ind., for the Month of SEP - 1933, 193

Number of Station barometer, 656; sum of corrections, -.052 inch.

| DATE. | SPECIAL OBSERVATIONS. | | | | | | | | | | | | | | | | | | | | | | DATE. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | TIME. | | BAROMETER. | | | | | THERMOMETERS. | | Dew-point. | Depression of the dew-point. | Relative humidity. | Maximum thermometer. | WIND. | | | | Precipitation. †† | CLOUDS. | | | STATE OF WEATHER. | SPECIAL PHENOMENA. | INITIALS OF OBSERVER. | |
| | 75th mer. | Local (standard). | Attached thermometer | Observed reading. | Total correction. | Station. (Observed reading plus total cor.) | Reduced to sea-level. | Dry. | Wet. | | | | | Direction. | Velocity. † | Max. since last observation. | Direction. | | Amt. | Kind. | Dir. from. | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | |

ORIGINAL MONTHLY RECORD OF OBSERVATIONS at Fort Wayne, Ind., for the Month of SEP - 1933, 193

Wind—Number of Miles and Length of Time From. (Standard of time in local use, 90 meridian.)

| DATE. | N. | | NE. | | E. | | SE. | | S. | | SW. | | W. | | NW. | | CALM. | | TOTAL. | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Miles. | Hours. | Miles. | Hours. | Miles. | Hours. | Miles. | Hours. | Miles. | Hours. | Miles. | Hours. | Miles. | Hours. | Miles. | Hours. | Miles. | Hours. | Miles. | Hours. |
| 1 | | | | | | | 111 | 20 | 28 | 4 | | | | | | | | | 139 | 24 |
| 2 | | | | | 9 | 2 | 38 | 6 | 80 | 9 | 39 | 6 | | | | | 1 | 1 | 167 | 24 |
| 3 | | | | | | | 15 | 4 | 20 | 4 | 11 | 2 | 43 | 8 | 27 | 6 | | | 116 | 24 |
| 4 | 7 | 1 | 37 | 6 | 14 | 3 | 34 | 6 | | | | | 27 | 6 | 14 | 2 | | | 133 | 24 |
| 5 | | | 16 | 2 | 10 | 2 | 34 | 4 | 71 | 9 | 53 | 7 | | | | | | | 184 | 24 |
| 6 | | | | | | | | | 20 | 3 | 202 | 21 | | | | | | | 222 | 24 |
| 7 | | | 47 | 7 | 47 | 8 | | | | | 28 | 4 | 15 | 4 | 3 | 1 | | | 140 | 24 |
| 8 | | | | | 36 | 7 | | | 19 | 2 | 89 | 11 | 35 | 4 | | | | | 179 | 24 |
| 9 | | | | | | | | | | | 57 | 7 | 75 | 6 | 117 | 11 | | | 249 | 24 |
| 10 | 55 | 12 | 11 | 2 | | | | | | | | | | | 41 | 10 | | | 107 | 24 |
| 11 | 11 | 3 | 181 | 20 | 9 | 1 | | | | | | | | | | | | | 201 | 24 |
| 12 | | | 189 | 21 | 26 | 3 | | | | | | | | | | | | | 215 | 24 |
| 13 | | | 137 | 15 | 80 | 9 | | | | | | | | | | | | | 217 | 24 |
| 14 | | | 257 | 24 | | | | | | | | | | | | | | | 257 | 24 |
| 15 | | | 132 | 16 | 54 | 8 | | | | | | | | | | | | | 186 | 24 |
| 16 | | | 5 | 1 | 30 | 7 | 15 | 2 | 79 | 9 | 29 | 4 | | | 6 | 1 | | | 164 | 24 |
| 17 | | | | | | | | | | | 34 | 5 | 165 | 15 | 38 | 4 | | | 237 | 24 |
| 18 | | | | | | | | | | | | | 46 | 7 | 128 | 15 | 2 | 2 | 176 | 24 |
| 19 | | | | | | | 28 | 4 | 26 | 3 | 62 | 5 | 114 | 9 | 20 | 3 | | | 250 | 24 |
| 20 | | | | | | | | | | | | | 183 | 13 | 155 | 11 | | | 338 | 24 |
| 21 | 32 | 6 | | | | | | | | | | | 36 | 4 | 139 | 14 | | | 207 | 24 |
| 22 | 15 | 4 | | | | | 87 | 11 | 36 | 4 | 47 | 5 | | | | | | | 185 | 24 |
| 23 | | | | | | | | | 100 | 12 | 139 | 12 | | | | | | | 239 | 24 |
| 24 | | | | | | | 33 | 6 | 23 | 3 | 120 | 15 | | | | | | | 176 | 24 |
| 25 | | | | | | | | | 200 | 20 | 53 | 4 | | | | | | | 253 | 24 |
| 26 | | | | | | | 21 | 2 | 122 | 10 | 118 | 10 | 19 | 2 | | | | | 280 | 24 |
| 27 | 73 | 8 | | | | | 13 | 1 | 21 | 2 | 9 | 1 | | | 60 | 11 | 1 | 1 | 177 | 24 |
| 28 | | | | | | | | | 28 | 3 | 100 | 14 | | | 22 | 7 | | | 150 | 24 |
| 29 | | | | | | | 32 | 4 | 19 | 3 | | | 40 | 7 | 46 | 10 | | | 137 | 24 |
| 30 | | | | | | | 29 | 4 | 203 | 16 | 49 | 4 | | | | | | | 281 | 24 |
| 31 | | | | | | | | | | | | | | | | | | | | |
| Sum, | 193 | 34 | 1012 | 114 | 315 | 50 | 490 | 74 | 1095 | 116 | 1239 | 137 | 798 | 85 | 816 | 106 | 4 | 4 | 5962 | 720 ~~744~~ |
| Percentage, | 3 | 5 | 17 | 16 | 5 | 7 | 8 | 10 | 18 | 16 | 21 | 19 | 14 | 12 | 14 | 15 | 0 | 0 | a | a |
| Avg. Hourly Velocity, | 5.7 | a | 8.9 | a | 6.3 | a | 6.6 | a | 9.4 | a | 9.0 | a | 9.4 | a | 7.7 | a | 1.0 | a | 8.3 | a |

Wind data corrected to true velocity.

# ORIGINAL MONTHLY RECORD OF OBSERVATIONS at Fort Wayne, Ind., for the Month of OCT - 1933, 193

Number of Station barometer, 656; sum of corrections, -.052 inch.

OBSERVATIONS AT 8 A. M. 75TH MERIDIAN TIME, WHICH CORRESPONDS TO 7.00 A. M. 90 MERIDIAN TIME, THE STANDARD OF TIME IN LOCAL USE; 7:19 A. M. LOCAL MEAN TIME.

| Date. | Barometer. Attached thermometer. | Barometer. Observed reading. | Barometer. Total correction. | Barometer. Station. (Observed reading plus total cor.) (b) | Barometer. Reduced to sea-level. (b) | Thermometers. Dry. (b) | Thermometers. Wet. (b) | Dew-point. (b) | Relative humidity. (b) | Vapor pressure. (b) | Self-Reg. Ther's. Max. (b) | Self-Reg. Ther's. Min. (b) | Wind. Dir. | Wind. Velocity. (b) † | Wind. Max. during preceding 12 hours. | Wind. Dir. | Precipitation. Amt. at 8 a. m. (b) †† | Clouds. Amt. | Clouds. Kind. | Dir. from. | State of Weather. | Visibility. 8 a. m. | Visibility. Local noon. | Visibility. 8 p. m. | Initials of Observer: | Date. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | In. | | In. | In. | ° | ° | ° | % | In. | ° | ° | | Mi. | Mi. | | In. | | | | | | | | | |
| 1 | 73.0 | 29.318 | .169 | 29.149 | 30.07 | 57.3 | 53.0 | 50 | 75 | .360 | 77.0 | 57.3 | NW | 8 | | | 1.13 | 4<br>4<br>1 | Ci Cu<br>a St<br>St | W<br>W<br>NW | Cloudy | 8 | 8 | 8 | L.C.S. | 1 |
| 2 | 70.0 | 29.668 | .163 | 29.505 | 30.44 | 47.2 | 45.0 | 43 | 85 | .277 | 54.8 | 44.0 | N | 3 | | | 0 | 7 ew | St Cu | N | Clear | 6 | 8 | 6 | B B W | 2 |
| 3 | 73.0 | 29.628 | .171 | 29.457 | 30.40 | 49.0 | 46.0 | 43 | 80 | .277 | 59.8 | 47.0 | NE | 3 | | | 0 | 7 ew<br>5 | Ci<br>Ci | NW<br>NW | Clear | 6 | 8 | 7 | B B W | 3 |
| 4 | 71.0 | 29.326 | .164 | 29.162 | 30.09 | 51.0 | 48.0 | 45 | 81 | .298 | 61.9 | 48.9 | E | 3 | | | 0 | 3 | a Cu | NW | Cloudy | 6 | 7 | 7 | B B W | 4 |
| 5 | 71.5 | 29.310 | .165 | 29.145 | 30.07 | 44.0 | 42.0 | 40 | 85 | .247 | 55.5 | 42.6 | N | 5 | | | 0 | 0 | — | — | Clear | 7 | 8 | 6 | B B W | 5 |
| 6 | 71.5 | 29.242 | .165 | 29.077 | 30.01 | 44.5 | 43.0 | 42 | 89 | .266 | 55.9 | 43.7 | 0 | 0 | | | 0 | 0 | — | — | Clear | 6 | 7 | 5 | B B W | 6 |
| 7 | 73.0 | 28.912 | .168 | 28.744 | 29.65 | 51.2 | 50.2 | 49 | 94 | .347 | 59.8 | 51.2 | SE | 9 | | | 0.16 | 10<br>10 | St<br>Lt fog | SE<br>SE | Misting | 5 | 7 | 7 | L.C.S. | 7 |
| 8 | 70.0 | 28.896 | .161 | 28.735 | 29.66 | 42.8 | 40.8 | 39 | 85 | .237 | 48.6 | 41.7 | S | 2 | | | 0 | 10<br>10<br>1 | St<br>D. Fog<br>Ci | S<br>S<br>W | Cloudy | 4 | 5 | 6 | P a L. | 8 |
| 9 | 65.0 | 29.098 | .147 | 28.951 | 29.88 | 42.0 | 41.0 | 40 | 92 | .247 | 47.9 | 41.3 | SW | 9 | | | .01 | 7 ew | a Cu | W ? | Clear | 6 | 6 | 6 | B B W | 9 |
| 10 | 75.5 | 29.353 | .176 | 29.177 | 30.11 | 46.1 | 45.0 | 44 | 92 | .287 | 48.3 | 45.0 | SW | 9 | | | 0 | 7 ew | St Cu | W | Clear | 7 | 7 | 5 | B B W | 10 |
| 11 | 69.0 | 29.257 | .159 | 29.098 | 30.03 | 53.1 | 50.0 | 47 | 81 | .322 | 56.8 | 52.8 | S | 11 | | | .05 | 7 | St Cu | W | P+ Cloudy | 7 | 7 | 7 | B B W | 11 |
| 12 | 72.5 | 29.366 | .168 | 29.198 | 30.13 | 49.2 | 46.7 | 44 | 83 | .287 | 63.2 | 48.8 | W | 6 | | | 0 | 2<br>7 | Ci<br>a Cu | W ?<br>W | Cloudy | 7 | 7 | 6 | B B W | 12 |
| 13 | 72.0 | 29.552 | .168 | 29.384 | 30.33 | 38.4 | 36.0 | 33 | 80 | .187 | 48.3 | 36.9 | NE | 4 | | | 0 | 7 | St Cu | N | P+ Cloudy | 7 | 8 | 5 | B B W | 13 |
| 14 | 69.0 | 29.504 | .160 | 29.344 | 30.28 | 38.8 | 35.0 | 30 | 69 | .164 | 47.3 | 37.1 | S | 9 | | | 0 | 1 | Ci St | ? | Clear | 7 | 7 | 7 | L.C.S. | 14 |
| 15 | 72.0 | 29.457 | .168 | 29.289 | 30.23 | 48.8 | 44.0 | 39 | 69 | .237 | 56.0 | 46.0 | S | 9 | | | 0 | 9 | St Cu | SW | Cloudy | 7 | 7 | 7 | B B W | 15 |
| 16 | 73.5 | 29.180 | .171 | 29.009 | 29.93 | 61.0 | 56.0 | 52 | 74 | .387 | 64.1 | 58.8 | S | 13 | | | 0 | 10 | a St | SW | Cloudy | 6 | 6 | 6 | B B W | 16 |
| 17 | 73.0 | 29.316 | .169 | 29.147 | 30.08 | 40.0 | 37.5 | 34 | 80 | .195 | 53.6 | 39.1 | SW | 9 | | | 0 | 1 | Ci | W | Clear | 7 | 8 | 6 | B B W | 17 |
| 18 | 71.5 | 29.409 | .166 | 29.243 | 30.17 | 38.9 | 37.9 | 37 | 92 | .219 | 47.2 | 38.0 | W | 9 | | | T | 0 | — | — | Clear | 7 | 7 | 7 | B B W | 18 |
| 19 | 69.0 | 29.453 | .160 | 29.293 | 30.23 | 44.1 | 38.9 | 32 | 63 | .180 | 46.9 | 41.1 | S | 12 | | | 0 | 9 | a St | SW | Cloudy | 7 | 6 | 5 | B B W | 19 |
| 20 | 74.5 | 29.606 | .174 | 29.432 | 30.38 | 41.0 | 38.1 | 34 | 78 | .195 | 52.3 | 39.1 | NE | 8 | | | T | 2<br>5 | Ci<br>Ci | NW<br>SW | Clear | 7 | 7 | 6 | B B W | 20 |
| 21 | 70.0 | 29.344 | .162 | 29.182 | 30.10 | 61.0 | 56.8 | 54 | 78 | .417 | 61.0 | 53.1 | S | 12 | | | T | 1<br>5 | Cu<br>a St | S<br>W | P+ Cloudy | 7 | 6 | 6 | B B W | 21 |
| 22 | 71.0 | 29.491 | .165 | 29.326 | 30.26 | 46.1 | 44.1 | 42 | 86 | .266 | 70.6 | 46.1 | W | 4 | | | 0.79 | 5 | St Cu | W | Cloudy | 6 | 6 | 7 | P.a.L. | 22 |
| 23 | 76.5 | 29.679 | .181 | 29.498 | 30.45 | 37.0 | 32.9 | 27 | 65 | .143 | 45.2 | 37.0 | N | 7 | | | 0 | 4<br>5 | Ci<br>a Cu | W<br>W | P+ Cloudy | 7 | 8 | 6 | B B W | 23 |
| 24 | 68.5 | 29.183 | .157 | 29.026 | 29.97 | 39.2 | 36.2 | 32 | 76 | .180 | 43.0 | 39.1 | SE | 6 | | | 0 | 5 | a St | W | Cloudy | 6 | 6 | 6 | B B W | 24 |
| 25 | 76.5 | 29.585 | .180 | 29.405 | 30.36 | 31.0 | 29.4 | 27 | 83 | .143 | 41.0 | 30.9 | N | 9 | | | 0 | 0 | — | — | Clear | 7 | 8 | 6 | B B W | 25 |
| 26 | 73.0 | 29.425 | .170 | 29.255 | 30.21 | 32.9 | 30.0 | 25 | 72 | .130 | 37.8 | 32.0 | SE | 9 | | | 0 | 2<br>2 | Ci<br>a Cu | SW<br>W | P+ Cloudy | 7 | 7 | 6 | B B W | 26 |
| 27 | 71.0 | 29.100 | .163 | 28.937 | 29.87 | 44.1 | 40.6 | 36 | 74 | .211 | 50.3 | 44.0 | W | 16 | | | T | 9<br>6 | St Cu<br>a St | W<br>NW | Cloudy | 7 | 7 | 7 | B B W | 27 |
| 28 | 76.0 | 29.526 | .178 | 29.348 | 30.30 | 34.0 | 30.1 | 24 | 63 | .124 | 37.7 | 33.4 | E | 9 | | | 0 | 3 | a Cu | NW | Cloudy | 7 | 7 | 7 | B B W | 28 |
| 29 | 72.0 | 29.275 | .167 | 29.108 | [illegible] | 47.8 | 44.0 | 40 | 74 | .247 | 48.0 | 42.4 | SW | 9 | | | 0 | 0 | | — | Clear | 7 | 7 | 7 | L.C.S. | 29 |
| 30 | 74.0 | 29.391 | .173 | 29.218 | 30.15 | 47.5 | 47.4 | 47 | 99 | .322 | 62.3 | 42.1 | W | 5 | | | 0 | 10 | Dense fog | W | Foggy | 1 | 7 | 6 | B B W | 30 |
| 31 | 75.0 | 29.390 | .176 | 29.214 | 30.13 | 52.3 | 51.8 | 51 | 97 | .373 | 67.0 | 52.3 | W | 6 | | | 0 | 10 | Light fog | W | Clear | 4 | 7 | | B B W | 31 |
| Sums | | (a) | (a) | 905.056 | 934.02 | 1401.3 | 1317.4 | 1222 | 2494 | 7.772 | (a) | (a) | (a) | 233 | | | 2.14 | 145 | (a) | (a) | (a) | (a) | (a) | (a) | (a) | (a) |
| Means | | (a) | (a) | 29.195 | 30.130 | 45.2 | 42.5 | 39.4 | 80.5 | .251 | (a) | (a) | (c) S | 7.5 | | | (a) | 4.7 | U Ci<br>L St. Cu | U W<br>L W | (a) | (a) | (a) | (a) | (a) | (a) |

8—154 Reference letters in this form refer to paragraph 121, "Instructions for Preparing Meteorological Forms."

† By dial when self-register is out of order.
†† T indicates trace of precipitation.

Wind data corrected to true velocity.

U, upper clouds. L, lower clouds.

Use visibility scale in "Instructions for Preparing Meteorological Forms."

# ORIGINAL MONTHLY RECORD OF OBSERVATIONS at Fort Wayne, Ind., for the Month of OCT - 1933, 193

Number of Station barometer, 656; sum of corrections, -.052 inch.

OBSERVATIONS AT 8 P. M. 75TH MERIDIAN TIME, WHICH CORRESPONDS TO 7:00 P. M. 90 MERIDIAN TIME, THE STANDARD OF TIME IN LOCAL USE; 7:12 P. M. LOCAL MEAN TIME.

| Date. | Barometer. Attached thermometer. | Barometer. Observed reading. | Barometer. Total correction. | Barometer. Station. (Observed reading plus total cor.) (b) | Barometer. Reduced to sea-level. (b) | Thermometers. Dry. (b) | Thermometers. Wet. (b) | Dew-point. (b) | Relative humidity. (b) | Vapor pressure. (b) | Self-Reg. Ther's. Max. (b) | Self-Reg. Ther's. Min. (b) | Wind. Dir. | Wind. Velocity. (b) † | Wind. Max. during preceding 12 hours. | Wind. Dir. | Precipitation. Amt. at 8 p. m. (b) †† | Clouds. Amt. | Clouds. Kind. | Clouds. Dir. from. | State of Weather. | Fog, Mid. to Mid. (Local standard time.) Light (f). Began. | Light (f). Ended. | Dense (f). Began. | Dense (f). Ended. | Initials of observer. | Date. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | In. | | | In. | In. | ° | ° | ° | % | In. | ° | ° | | Mi. | Mi. | | In. | | | | | | | | | | |
| 1 | 75.0 | 29.537 | .176 | 29.361 | 30.30 | 54.8 | 48.0 | 41 | 61 | .256 | 66.0 | 54.8 | NW | 6 | | | 0 | 2 | cist | ? | Clear | | | | | L.C.S. | 1 |
| 2 | 74.5 | 29.632 | .175 | 29.457 | 30.40 | 59.8 | 51.3 | 44 | 56 | .287 | 64.9 | 47.2 | NE | 3 | | | 0 | 5 2 | ci ac cu | W W | P+ Cloudy | 8:00 P | Contd | | | L.C.S. | 2 |
| 3 | 75.0 | 29.454 | .176 | 29.278 | 30.22 | 61.9 | 52.0 | 43 | 51 | .277 | 67.6 | 49.0 | NE | 5 | | | 0 | 3 | ac cu | N | Clear | Contd | 6:00 A | | | Pa L | 3 |
| 4 | 75.5 | 29.253 | .176 | 29.077 | 30.01 | 55.5 | 50.0 | 46 | 68 | .310 | 72.1 | 50.3 | NW | 14 | | | 0 | 0 | — | — | Clear | | | | | L.C.S. | 4 |
| 5 | 75.0 | 29.260 | .175 | 29.085 | 30.01 | 55.9 | 49.0 | 43 | 61 | .277 | 60.0 | 44.0 | N | 2 | | | 0 | 0 | — | — | Clear | 7:15 P | Contd | | | L.C.S. | 5 |
| 6 | 76.0 | 29.088 | .176 | 28.912 | 29.84 | 59.8 | 52.3 | 46 | 61 | .310 | 65.9 | 44.5 | S | 5 | | | 0 | 1 (10) | ac cu St fog | P S | Clear | Contd 5:30 P | 6:00 A Contd | | | L.C.S. | 6 |
| 7 | 73.0 | 28.916 | .168 | 28.748 | 29.67 | 48.6 | 45.6 | 43 | 80 | .277 | 59.1 | 48.6 | NW | 4 | | | .09 | 0 | — | — | Clear | Contd | 10 00 A | | | Pa L. | 7 |
| 8 | 67.0 | 29.005 | .158 | 28.847 | 29.78 | 47.9 | 44.9 | 42 | 80 | .266 | 50.8 | 42.8 | W | 5 | | | .10 | 10 | St cu | W | Cloudy | 9:00 A | 1:00 P | D.N.A. | 9:00 A | Pa L | 8 |
| 9 | 77.0 | 29.215 | .180 | 29.035 | 29.98 | 48.3 | 44.5 | 41 | 74 | .256 | 54.0 | 42.0 | W | 7 | | | 0 | 4 | ac cu | W | P+ Cloudy | | | | | L.C.S. | 9 |
| 10 | 72.0 | 29.290 | .167 | 29.123 | 30.05 | 56.8 | 50.8 | 46 | 66 | .310 | 61.9 | 46.1 | S | 8 | | | 0 | 2 | ci | ? | Clear | | | | | L.C.S. | 10 |
| 11 | 74.0 | 29.206 | .172 | 29.034 | 29.95 | 63.2 | 56.8 | 52 | 68 | .387 | 71.4 | 53.1 | SW | 8 | | | 0 | 0 | — | — | Clear | | | | | L.C.S. | 11 |
| 12 | 74.0 | 29.454 | .173 | 29.281 | 30.22 | 48.3 | 43.3 | 38 | 67 | .228 | 57.1 | 48.3 | NW | 8 | | | 0 | 0 | — | — | Clear | | | | | L.C.S. | 12 |
| 13 | 73.5 | 29.503 | .172 | 29.331 | 30.27 | 47.3 | 40.8 | 33 | 57 | .187 | 52.5 | 38.4 | NE | 5 | | | 0 | 0 | — | — | Clear | | | | | L.C.S. | 13 |
| 14 | 74.0 | 29.416 | .173 | 29.243 | 30.17 | 56.0 | 47.1 | 38 | 51 | .228 | 61.9 | 38.8 | S | 10 | | | 0 | 0 | — | — | Clear | | | | | B.A.W. | 14 |
| 15 | 75.5 | 29.391 | .177 | 29.214 | 30.14 | 64.1 | 54.0 | 46 | 52 | .310 | 74.0 | 48.8 | SE | 13 | | | 0 | 5 | Ci | SW? | Pt. Cldy. | | | | | B.A.W. | 15 |
| 16 | 74.0 | 29.193 | .172 | 29.021 | 29.95 | 52.2 | 49.7 | 47 | 84 | .322 | 62.1 | 52.2 | SW | 6 | | | .08 | 5 | St Cu | W | Pt. Cldy | | | | | Pa L | 16 |
| 17 | 73.5 | 29.351 | .171 | 29.180 | 30.11 | 47.2 | 41.2 | 34 | 60 | .195 | 55.3 | 40.0 | W | 12 | | | T | 10 | St Cu | W | Lt. Rain | | | | | P.A.L. | 17 |
| 18 | 73.0 | 29.493 | .170 | 29.323 | 30.26 | 46.9 | 38.9 | 28 | 47 | 150 | 53.8 | 38.9 | NW | 2 | | | T | Few | a Cu | ? | Clear | | | | | Pa L | 18 |
| 19 | 78.5 | 29.326 | .184 | 29.142 | 30.07 | 52.3 | 51.2 | 50 | 93 | 360 | 54.2 | 44.1 | SW | 14 | | | .01 | 10 4 | St Cu a St | W S | Lt. Rain | | | | | P.A.L. | 19 |
| 20 | 74.0 | 29.476 | .173 | 29.303 | 30.24 | 54.9 | 50.9 | 48 | 76 | 334 | 56.4 | 41.0 | E | 12 | | | 0 | 4 | St Cu | S | Cloudy | | | | | P.A.L. | 20 |
| 21 | 73.0 | 29.222 | .169 | 29.053 | 29.97 | 70.6 | 63.1 | 59 | 67 | 499 | 75.2 | 61.0 | S | 16 | | | 0 | 5 | ac cu | S | Pt Cloudy | | | | | P.A.L. | 21 |
| 22 | 70.0 | 29.569 | .162 | 29.407 | 30.36 | 45.2 | 40.2 | 34 | 65 | .195 | 50.3 | 45.2 | NW | 6 | | | 0 | 0 | — | — | Clear | | | | | P.A.L. | 22 |
| 23 | 71.5 | 29.495 | .166 | 29.329 | 30.28 | 43.0 | 37.2 | 29 | 58 | .157 | 46.9 | 37.0 | NE | 6 | | | 0 | 4 2 | ci St St cu | W NE | Pt Cloudy | | | | | L.C.S. | 23 |
| 24 | 76.0 | 29.300 | .177 | 29.123 | 30.06 | 41.0 | 36.8 | 31 | 67 | .172 | 56.0 | 39.2 | NW | 16 | | | T | 10 | St Cu | NW | Cloudy | | | | | L.C.S. | 24 |
| 25 | 75.5 | 29.565 | .177 | 29.388 | 30.35 | 37.8 | 31.3 | 21 | 47 | .108 | 41.5 | 31.0 | NE | 5 | | | 0 | 0 | — | — | Clear | | | | | L.C.S. | 25 |
| 26 | 74.0 | 29.103 | .171 | 28.932 | 29.87 | 50.3 | 42.3 | 33 | 50 | .187 | 52.2 | 32.9 | S | 7 | | | 0 | 10 | St Cu | S | Cloudy | | | | | L.C.S. | 26 |
| 27 | 75.0 | 29.361 | .175 | 29.186 | 30.13 | 37.7 | 33.0 | 26 | 61 | .136 | 44.1 | 37.7 | NW | 8 | | | 0 | 10 | St Cu ei | NW | Cloudy | | | | | L.C.S. | 27 |
| 28 | 77.5 | 29.384 | .182 | 29.202 | 30.14 | 43.0 | 37.3 | 30 | 58 | .164 | 44.5 | 34.0 | E | 10 | | | 0 | 4 | Ci Cu | W | Pt. Cloudy | | | | | L.C.S. | 28 |
| 29 | 79.0 | 29.330 | | 29.145 | | 62.3 | 56.0 | 51 | 67 | .387 | 69.9 | 47.8 | W | | | | 0 | 0 | - | — | Clear | 9:30 P Contd 7:20 A 8:30 P | Contd D.N.A. 8:30 A Contd | D.N.A. | 7:20 A | | 29 |
| 30 | 78.0 | 29.346 | .183 | 29.163 | 30.09 | 67.0 | 61.0 | 57 | 71 | .465 | 75.0 | 47.5 | W | 5 | | | 0 | 0 | — | — | Clear | | | | | L.C.S. | 30 |
| 31 | 77.5 | 29.316 | .181 | 29.135 | 30.06 | 69.0 | 61.7 | 57 | 67 | .465 | 77.7 | 52.3 | S | 2 | | | 0 | 0 | — | — | Clear | Contd | 8:10 A | | | L.C.S. | 31 |
| Sums | | (a) | (c) | 904.058 | 933.02 | 1648.6 | 1462.2 | 1278 | 1992 | 8.462 | (a) | (a) | (a) | 235 | | | 0.28 | 113 | (a) | (a) | (a) | (a) | (a) | (a) | (a) | (a) | (a) |
| Means | | (a) | (a) | 29.163 | 30.097 | 53.2 | 47.2 | 41.2 | 64.3 | .273 | (a) | (a) | (c) NW | 7.6 | | | (a) | 3.6 | UA Cu LSt Cu | UW LW | (a) | (a) | (a) | (a) | (a) | (a) | (a) |

Observations are begun about 7.40 o'clock, 75th meridian time.

† By dial when self-register is out of order.
†† T indicates trace of precipitation.

Wind data corrected to true velocity.

U, upper clouds. L, lower clouds.

8—154

# ORIGINAL MONTHLY RECORD OF OBSERVATIONS at Fort Wayne, Ind., for the Month of OCT - 1933, 193

| Date. | TEMPERATURE. Maximum. (b) | Minimum (b) | Range. (b) | Change. (b) | Mean (max. and min.). (b) | Normal. | Departure. | Total excess or deficiency since 1st of month. | PRECIPITATION. Character. ‡ | Beginning. | Ending. | Character ‡ | Beginning. | Ending. | Character. ‡ | Beginning. | Ending. | Character. ‡ | Beginning. | Ending. | Total (mid. to mid.). (b)†† | Normal. | Departure. | Total excess or deficiency since 1st of month. | Hail and sleet unmelted. 7 p. m. to 7 p. m. *‡‡ | Snow unmelted. 7 p.m. to 7 p.m. *‡‡ | Hail, sleet, and snow on ground at 7 p. m. *‡‡ | Amount of precipitation from melted snow (mid. to mid.). | Date. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | ° | ° | ° | ° | ° | | | | | | | | | | | | | | | | In. | | | + - | In. | In. | In. | In. | |
| Sunday 1 | 66 | 48 | 18 | 9 | 57 | | | | | | | | | | | | | | | | 0.29 | .10 | +.19 | +.19 | 0 | 0 | 0 | 0 | 1 |
| 2 | 65 | 44 | 21 | 3 | 54 | | | | | | | | | | | | | | | | 0 | .09 | -.09 | +.10 | 0 | 0 | 0 | 0 | 2 |
| 3 | 68 | 47 | 21 | 4 | 58 | | | | | | | | | | | | | | | | 0 | .08 | -.08 | +.02 | 0 | 0 | 0 | 0 | 3 |
| 4 | 72 | 48 | 24 | 2 | 60 | | | | | | | | | | | | | | | | 0 | .07 | -.07 | -.05 | 0 | 0 | 0 | 0 | 4 |
| 5 | 60 | 43 | 17 | 8 | 52 | | | | | | | | | | | | | | | | 0 | .08 | -.08 | -.13 | 0 | 0 | 0 | 0 | 5 |
| 6 | 66 | 44 | 22 | 3 | 55 | | | | | | | | | | | | | | | | 0 | .08 | -.08 | -.21 | 0 | 0 | 0 | 0 | 6 |
| 7 | 59 | 44 | 15 | 3 | 52 | | | | | | | | | | | | | | | | 0.25 | .08 | +.17 | -.04 | 0 | 0 | 0 | 0 | 7 |
| 8 | 51 | 42 | 9 | 6 | 46 | | | | | | | | | | | | | | | | 0.11 | .08 | +.03 | -.01 | 0 | 0 | 0 | 0 | 8 |
| 9 | 54 | 41 | 13 | 2 | 48 | | | | | | | | | | | | | | | | 0 | .09 | -.09 | -.10 | 0 | 0 | 0 | 0 | 9 |
| 10 | 62 | 45 | 17 | 6 | 54 | | | | | | | | | | | | | | | | T | .08 | -.08 | -.18 | 0 | 0 | 0 | 0 | 10 |
| 11 | 71 | 53 | 18 | 8 | 62 | | | | | | | | | | | | | | | | .05 | .08 | -.03 | -.21 | 0 | 0 | 0 | 0 | 11 |
| 12 | 57 | 42 | 15 | 12 | 50 | | | | | | | | | | | | | | | | 0 | .08 | -.08 | -.29 | 0 | 0 | 0 | 0 | 12 |
| 13 | 52 | 37 | 15 | 6 | 44 | | | | | | | | | | | | | | | | 0 | .07 | -.07 | -.36 | 0 | 0 | 0 | 0 | 13 |
| 14 | 62 | 37 | 25 | 6 | 50 | | | | | | | | | | | | | | | | 0 | .07 | -.07 | -.43 | 0 | 0 | 0 | 0 | 14 |
| 15 | 74 | 46 | 28 | 10 | 60 | | | | | | | | | | | | | | | | 0 | .07 | -.07 | -.50 | 0 | 0 | 0 | 0 | 15 |
| 16 | 62 | 47 | 15 | 6 | 54 | | | | | | | | | | | | | | | | .08 | .09 | -.01 | -.51 | 0 | 0 | 0 | 0 | 16 |
| 17 | 55 | 39 | 16 | 7 | 47 | | | | | | | | | | | | | | | | T | .09 | -.09 | -.60 | 0 | 0 | 0 | 0 | 17 |
| 18 | 54 | 38 | 16 | 1 | 46 | | | | | | | | | | | | | | | | T | .09 | -.09 | -.69 | 0 | 0 | 0 | 0 | 18 |
| 19 | 54 | 41 | 13 | 2 | 48 | | | | | | | | | | | | | | | | .01 | .09 | -.08 | -.77 | 0 | 0 | 0 | 0 | 19 |
| 20 | 56 | 39 | 17 | 0 | 48 | | | | | | | | | | | | | | | | 0 | .09 | -.09 | -.86 | 0 | 0 | 0 | 0 | 20 |
| 21 | 75 | 50 | 25 | 14 | 62 | | | | | | | | | | | | | | | | 0.78 | .07 | +.71 | -.15 | 0 | 0 | 0 | 0 | 21 |
| 22 | 50 | 40 | 10 | 17 | 45 | | | | | | | | | | | | | | | | .01 | .07 | -.06 | -.21 | 0 | 0 | 0 | 0 | 22 |
| 23 | 47 | 37 | 10 | 3 | 42 | | | | | | | | | | | | | | | | 0 | .07 | -.07 | -.28 | 0 | 0 | 0 | 0 | 23 |
| 24 | 56 | 36 | 20 | 4 | 46 | | | | | | | | | | | | | | | | T | .08 | -.08 | -.36 | 0 | 0 | 0 | 0 | 24 |
| 25 | 42 | 31 | 11 | 10 | 36 | | | | | | | | | | | | | | | | 0 | .09 | -.09 | -.45 | 0 | 0 | 0 | 0 | 25 |
| 26 | 52 | 32 | 20 | 6 | 42 | | | | | | | | | | | | | | | | T | .09 | -.09 | -.54 | 0 | 0 | 0 | 0 | 26 |
| 27 | 47 | 36 | 11 | 0 | 42 | | | | | | | | | | | | | | | | 0 | .10 | -.10 | -.64 | 0 | 0 | 0 | 0 | 27 |
| 28 | 44 | 33 | 11 | 4 | 38 | | | | | | | | | | | | | | | | 0 | .10 | -.10 | -.74 | 0 | 0 | 0 | 0 | 28 |
| 29 | 70 | 43 | 27 | 18 | 56 | | | | | | | | | | | | | | | | 0 | .10 | -.10 | -.84 | 0 | 0 | 0 | 0 | 29 |
| 30 | 75 | 47 | 28 | 5 | 61 | | | | | | | | | | | | | | | | 0 | .09 | -.09 | -.93 | 0 | 0 | 0 | 0 | 30 |
| 31 | 78 | 52 | 26 | 4 | 65 | | | | | | | | | | | | | | | | 0 | .09 | -.09 | -1.02 | 0 | 0 | 0 | 0 | 31 |
| S | 1856 | 1302 | 554 | 189 | 1580 | | Total excess or deficiency since Jan. 1, degree days | (a) | (a) | (a) | (a) | (a) | (a) | (a) | (a) | (a) | (a) | (a) | (a) | (a) | 1.58 | 2.60 | Total excess or deficiency since Jan. 1, | 0 | 0 | (a) | (a) | (a) |
| M | 59.9 | 42.0 | 17.9 | 6.1 | (a) | (a) | 435 | (a) | (a) | (a) | (a) | (a) | (a) | (a) | (a) | (a) | (a) | (a) | (a) | (a) | (a) | (a) | +2.12 | (a) | (a) | (a) | (a) | (a) | |

51.0

All data are in the standard of time in local use. ‡ Use the following abbreviations: R—rain, Sd—dry snow, Sm—moist snow, H—hail, Sl—sleet. †† T indicates trace of precipitation. ‡‡ Enter the local standard time of observation. *Inches and tenths

# SUMMARY FOR THE MONTH OF OCT - 1933, 193

The 8 a. m. and 8 p. m. means of pressure, dry and wet thermometers, dew-point, humidity, vapor pressure, and mean cloudiness are in 75th meridian time. All other data are in the standard of time in local use.

## PRESSURE.

(Correction to reduce to a 24-hour mean -.006)

### STATION.

| Mean. 8 a. m. | Mean. 8 p. m. | Mean. Monthly. (g) | Highest. (h) | Date. | Lowest. (h) | Date. | Absolute range. |
|---|---|---|---|---|---|---|---|
| 29.195 | 29.163 | 29.179 | 29.520 | 2 | 28.680 | 7 | 0.840 |
| Corrected mean.... | | 29.173 | | | | | |

### REDUCED.

| Mean. 8 a. m. | Mean. 8 p. m. | Mean. Monthly. (g) | Highest. (h) | Date. | Lowest. (h) | Date. | Absolute range. |
|---|---|---|---|---|---|---|---|
| 30.130 | 30.097 | 30.114 | 30.46 | 2 | 29.59 | 7 | 0.87 |
| Corrected mean.... | | 30.108 | | | | | |

## TEMPERATURE.

### MEAN.

| Dry. 8 a. m. | Dry. 8 p. m. | Dry. (8+8)÷2 (g) | Wet. 8 a. m. | Wet. 8 p. m. | Wet. Monthly. (g) | Max. | Min. | Monthly. (g) |
|---|---|---|---|---|---|---|---|---|
| 45.2 | 53.2 | 49.2 | 42.5 | 47.2 | 44.8 | 59.9 | 42.0 | 51.0 |

| Highest. (i) | Date. (i) | Lowest. (i) | Date. (i) | Absolute range. | Greatest daily range. (i) | Date. (i) | Least daily range. (i) | Date. (i) |
|---|---|---|---|---|---|---|---|---|
| 78 | 31 | 31 | 25 | 47 | 28 | 15 | 9 | 8 |

| Dew-point. 8 a. m. | Dew-point. 8 p. m. | Dew-point. Monthly. (g) | Relative Humidity. 8 a. m. | Relative Humidity. 8 p. m. | Relative Humidity. Monthly. (g) | Vapor Pressure. 8 a. m. | Vapor Pressure. 8 p. m. | Vapor Pressure. Monthly. (g) |
|---|---|---|---|---|---|---|---|---|
| 39.4 | 41.2 | 40.3 | 80.5 | 64.3 | 72.4 | .251 | .273 | .262 |

| Number of days with—(j) Maximum. 32° or below. | Maximum. 90° or above. | Minimum. 32° or below. | Minimum. Zero or below. |
|---|---|---|---|
| 0 | 0 | 2 | 0 |

**CLOUDS.**

Most frequent clouds: Ci and St. Cu.
Most frequent direction upper clouds: W
Most frequent direction lower clouds: W

## WIND.

(Wind data corrected to true velocity.)

| Total movement (mid. to mid.). | Average hourly velocity. | Prevailing direction. (p) | Maximum velocity. (r) | Direction. (r) | Date. (r) |
|---|---|---|---|---|---|
| 6366 | 8.6 | W | 30 | NW | 24 |

| Number of Times Wind Observed from the— N. | NE. | E. | SE. | S. | SW. | W. | NW. | Calm. |
|---|---|---|---|---|---|---|---|---|
| 5 | 8 | 4 | 4 | 13 | 7 | 11 | 9 | 1 |

## WEATHER.

| Mean Cloudiness. 8 a. m. | 8 p. m. | Monthly. (t) | Sunshine. Percentage of possible. | Number of Days. Clear. | Partly cloudy. | Cloudy. | Number of Days with Precipitation (Mid. to Mid.). Clear. (u) | Partly cloudy. (u) | Cloudy. (u) |
|---|---|---|---|---|---|---|---|---|---|
| 4.7 | 3.6 | 4.7 | 60 | 10 | 15 | 6 | 1 | 4 | 3 |

## MISCELLANEOUS PHENOMENA.

DATES OF—(MIDNIGHT TO MIDNIGHT).

| Frosts. Light. | Frosts. Heavy. | Frosts. Killing. | Thunderstorms. (v) | Winds. (32 miles or over.) | Solar Halos. | Lunar Halos. | Fog. Light. | Fog. Dense. | Haze. Light. | Haze. Dense. | Smoke. Light. | Smoke. Dense. | Hail. | Aurora. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 18,19<br>2,3,4,5,6 | 23,25,26<br>8,13,14 | 0 | 21 | 0 | 24<br>1,10,20 | 2,28 | 31<br>7,8,29,30<br>2,3,5,6 | 8,30 | 16 | 0 | 25,26,30<br>10,13,24<br>2,3,4,5,6 | 0 | 0 | 0 |

## PRECIPITATION (in inches and hundredths). (m)

| Total amount | Greatest amount in 24 consecutive hours. Amt. | Date. (k) | Excessive. 2.50 inches in 24 hours. (l) * Amt. | Duration. h. m. | Date. (k) | 1 inch per hour. (l) Amt. | Duration. h. m. | Date. (k) |
|---|---|---|---|---|---|---|---|---|
| 1.58 | 0.79 | 21+22 | 0 | — | — | 0 | — | — |

| Number of days with—(Mid. to Mid.). Trace. | .01 or more. | .04 or more. | .25 or more. | 1.00 or more. | Total. | Snow. Trace or more. | Snow. .01 or more melted. | Snow. Total Depth. (o) | Snow. Average depth at end of month. |
|---|---|---|---|---|---|---|---|---|---|
| 5 | 8 | 6 | 3 | 0 | 13 | 0 | 0 | 0 | 0 |

(w) Maximum precipitation in 5 minutes .14, date 21; 10 minutes .20, date 21; 15 minutes .31, date 21;
30 minutes .45, date 21; 1 hour .57, date 21; 2 hours .74, date 21.

## EXCESSIVE.

| Date. | Total Duration. From— | To— | Total amount of precipitation. | Excessive Rate. Began— | Ended— | Amt. before excessive began. |
|---|---|---|---|---|---|---|
| None. | | | | | | |

| Accumulated Depths During Excessive Rate for Consecutive Periods of Time Indicated Below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | |

* The duration is the time precipitation was actually recorded.

8—154

(6)

Prepared by W.

B. B. Whittier, Meteorologist, Weather Bureau.

ORIGINAL MONTHLY RECORD OF OBSERVATIONS at Fort Wayne, Ind., for the Month of OCT - 1933, 193

Number of Station barometer, 656; sum of corrections, −.052 inch.

| Date. | Special Observations. Time. 75th mer. | Time. Local (standard). | Barometer. Attached thermometer | Barometer. Observed reading. | Barometer. Total correction. | Barometer. Station. (Observed reading plus total cor.) | Barometer. Reduced to sea-level. | Thermometers. Dry. | Thermometers. Wet. | Dew-point. | Depression of the dew-point. | Relative humidity. | Maximum thermometer. | Wind. Direction. | Wind. Velocity. † | Wind. Max. since last observation. | Wind. Direction. | Precipitation. †† | Clouds. Amt. | Clouds. Kind. | Clouds. Dir. from. | State of Weather. | Special Phenomena. | Initials of Observer. | Date. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | |

ORIGINAL MONTHLY RECORD OF OBSERVATIONS at Fort Wayne, Ind., for the Month of OCT - 1933, 193

Wind—Number of Miles and Length of Time From. (Standard of time in local use, 90 meridian.)

| DATE. | N. | | NE. | | E. | | SE. | | S. | | SW. | | W. | | NW. | | CALM. | | TOTAL. | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Miles. | Hours. | Miles. | Hours. | Miles. | Hours. | Miles. | Hours. | Miles. | Hours. | Miles. | Hours. | Miles. | Hours. | Miles. | Hours. | Miles. | Hours. | Miles. | Hours. |
| 1 | 15 | 4 | | | | | | | | | | | 7 | 1 | 195 | 19 | | | 217 | 24 |
| 2 | 63 | 13 | 22 | 7 | | | | | | | | | 5 | 1 | 15 | 3 | | | 105 | 24 |
| 3 | | | 48 | 12 | 51 | 9 | 16 | 2 | | | | | | | | | 1 | 1 | 116 | 24 |
| 4 | 10 | 1 | 5 | 1 | 20 | 7 | | | | | | | 70 | 6 | 95 | 8 | 1 | 1 | 201 | 24 |
| 5 | 122 | 20 | | | | | | | | | | | | | 15 | 2 | 2 | 2 | 139 | 24 |
| 6 | 17 | 6 | | | | | 15 | 2 | 66 | 9 | 39 | 5 | | | | | 2 | 2 | 139 | 24 |
| 7 | 4 | 1 | | | 25 | 4 | 22 | 3 | | | | | 73 | 9 | 57 | 7 | | | 181 | 24 |
| 8 | 13 | 3 | | | | | 28 | 5 | 32 | 8 | 16 | 2 | 31 | 6 | | | | | 120 | 24 |
| 9 | | | | | | | | | | | 137 | 16 | 67 | 8 | | | | | 204 | 24 |
| 10 | | | | | | | 9 | 1 | 38 | 5 | 85 | 10 | 84 | 8 | | | | | 216 | 24 |
| 11 | | | | | | | | | 62 | 6 | 168 | 15 | 9 | 1 | 16 | 2 | | | 255 | 24 |
| 12 | 27 | 4 | | | | | | | | | | | 46 | 7 | 113 | 13 | | | 186 | 24 |
| 13 | 22 | 4 | 63 | 12 | 8 | 1 | 13 | 2 | | | | | | | 29 | 5 | | | 135 | 24 |
| 14 | | | | | | | 36 | 5 | 195 | 19 | | | | | | | | | 231 | 24 |
| 15 | | | | | | | 60 | 6 | 168 | 18 | | | | | | | | | 228 | 24 |
| 16 | | | | | | | | | 168 | 12 | 60 | 5 | 80 | 7 | | | | | 308 | 24 |
| 17 | | | | | | | | | | | 82 | 10 | 157 | 14 | | | | | 239 | 24 |
| 18 | | | | | | | | | 20 | 3 | 5 | 1 | 94 | 11 | 77 | 9 | | | 196 | 24 |
| 19 | | | | | | | 31 | 3 | 128 | 11 | 56 | 4 | 59 | 5 | 10 | 1 | | | 284 | 24 |
| 20 | 19 | 3 | 29 | 4 | 85 | 9 | 75 | 7 | | | | | | | 9 | 1 | | | 217 | 24 |
| 21 | | | | | | | 24 | 2 | 237 | 17 | 40 | 2 | | | 30 | 3 | | | 331 | 24 |
| 22 | | | | | | | | | | | | | 29 | 5 | 127 | 19 | | | 156 | 24 |
| 23 | 21 | 3 | 114 | 15 | 13 | 2 | | | | | | | | | 22 | 4 | | | 170 | 24 |
| 24 | 42 | 3 | | | 30 | 5 | 15 | 2 | 9 | 1 | 30 | 2 | 58 | 3 | 148 | 8 | | | 332 | 24 |
| 25 | 114 | 12 | 63 | 9 | 18 | 3 | | | | | | | | | | | | | 195 | 24 |
| 26 | | | | | | | 74 | 8 | 148 | 13 | 29 | 3 | | | | | | | 251 | 24 |
| 27 | 16 | 2 | 18 | 3 | | | | | | | 22 | 2 | 132 | 9 | 85 | 8 | | | 273 | 24 |
| 28 | | | 39 | 6 | 79 | 8 | 95 | 9 | 9 | 1 | | | | | | | | | 222 | 24 |
| 29 | | | | | | | | | 42 | 4 | 91 | 8 | 97 | 12 | | | | | 230 | 24 |
| 30 | | | | | | | | | | | 15 | 2 | 145 | 22 | | | | | 160 | 24 |
| 31 | | | | | | | | | 43 | 10 | 7 | 1 | 79 | 13 | | | | | 129 | 24 |
| Sum, | 505 | 79 | 401 | 69 | 329 | 48 | 513 | 57 | 1365 | 137 | 882 | 88 | 1322 | 148 | 1043 | 112 | 6 | 6 | 6366 | 744 |
| Percentage, | 8 | 11 | 6 | 9 | 5 | 6 | 8 | 8 | 22 | 18 | 14 | 12 | 21 | 20 | 16 | 15 | 0 | 1 | a | a |
| Avg. Hourly Velocity, | 6.4 | a | 5.8 | a | 6.9 | a | 9.0 | a | 10.0 | a | 10.0 | a | 8.9 | a | 9.3 | a | 1.0 | a | 8.6 | a |

Wind data corrected to true velocity.

# ORIGINAL MONTHLY RECORD OF OBSERVATIONS at Fort Wayne, Ind., for the Month of NOV - 1933, 193

Number of Station barometer, 656; sum of corrections, -.052 inch.

OBSERVATIONS AT 8 A. M. 75TH MERIDIAN TIME, WHICH CORRESPONDS TO 7:00 A. M. 90 MERIDIAN TIME, THE STANDARD OF TIME IN LOCAL USE; 7:19 A. M. LOCAL MEAN TIME.

| Date. | Barometer. Attached thermometer. | Barometer. Observed reading. | Barometer. Total correction. | Barometer. Station. (Observed reading plus total cor.) (b) | Barometer. Reduced to sea-level. (b) | Thermometers. Dry. (b) | Thermometers. Wet. (b) | Dew-point. (b) | Relative humidity. (b) | Vapor pressure. (b) | Self-Reg. Ther's. Max. (b) | Self-Reg. Ther's. Min. (b) | Wind. Dir. | Wind. Velocity. (b) † | Wind. Max. during preceding 12 hours. | Wind. Dir. | Precipitation. Amt. at 8 a. m. (b) †† | Clouds. Amt. | Clouds. Kind. | Dir. from. | State of Weather. | Visibility. 8 a. m. | Visibility. Local noon. | Visibility. 8 p. m. | Initials of Observer: | Date. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | In. | | In. | In. | ° | ° | ° | % | In. | ° | ° | | Mi. | Mi. | | In. | | | | | | | | | |
| 1 | 74.5 | 29.339 | .173 | 29.166 | 30.09 | 57.7 | 55.0 | 53 | 85 | .402 | 69.0 | 55.9 | S | 2 | | | 0 | 2 | a Cu | SW | | | | | BKW | 1 |
| | | | | | | | | | | | | | | | | | | 3 | St Cu | SW | Pt Cloudy | 6 | 7 | 7 | | |
| 2 | 75.0 | 29.253 | .175 | 29.078 | 30.00 | 55.4 | 53.0 | 52 | 86 | .387 | 69.3 | 55.0 | SE | 5 | | | 0 | Few | Ci | P | Clear | 6 | 7 | 7 | BKW | 2 |
| 3 | 74.0 | 29.407 | .173 | 29.234 | 30.16 | 42.2 | 40.0 | 37 | 83 | .219 | 67.0 | 42.0 | NW | 12 | | | 0.16 | 10 | St | NW | Cloudy | 6 | 7 | 7 | BKW | 3 |
| 4 | 73.0 | 29.600 | .170 | 29.430 | 30.39 | 32.0 | 29.9 | 27 | 78 | .143 | 42.0 | 30.8 | NE | 9 | | | 0 | 1 | Ci | P | Clear | 7 | 6 | 6 | L.C.S. | 4 |
| | | | | | | | | | | | | | | | | | | 1 | a Cu | P | | | | | | |
| 5 | 70.0 | 29.318 | .162 | 29.156 | 30.10 | 33.1 | 31.1 | 28 | 80 | .150 | 39.0 | 32.9 | NE | 15 | | | 0 | 1 | Ci | SW | Cloudy | 7 | 7 | 6 | BKW | 5 |
| | | | | | | | | | | | | | | | | | | 3 | Ci St | SW | | | | | | |
| | | | | | | | | | | | | | | | | | | 5 | a St | SW | | | | | | |
| 6 | 70.0 | 29.321 | .162 | 29.159 | 30.10 | 34.1 | 33.0 | 32 | 89 | .180 | 38.7 | 33.7 | NW | 5 | | | T | 7 | a Cu | NW? | Cloudy | 6 | 7 | 5 | BKW | 6 |
| | | | | | | | | | | | | | | | | | | 1 | Cu | NW | | | | | | |
| 7 | 78.0 | 29.242 | .182 | 29.060 | 30.01 | 35.6 | 33.6 | 31 | 82 | .172 | 38.3 | 35.1 | W | 12 | | | .01 | 9 | St Cu | W | Cloudy | 6 | 6 | 7 | BKW | 7 |
| 8 | 77.0 | 29.388 | .181 | 29.207 | 30.16 | 26.0 | 24.0 | 20 | 75 | .103 | 31.3 | 24.1 | W | 12 | | | .01 | 7 | St Cu | W | Pt Cloudy | 8 | 8 | 5 | BKW | 8 |
| 9 | 77.0 | 29.074 | .179 | 28.895 | 29.85 | 34.0 | 29.4 | 22 | 57 | .113 | 40.0 | 30.6 | W | 20 | | | .03 | 9 | St Cu | NW | Cloudy | 8 | 5 | 6 | BKW | 9 |
| 10 | 74.0 | 29.518 | .173 | 29.345 | 30.30 | 21.0 | 19.4 | 16 | 77 | .085 | 27.6 | 19.1 | W | 12 | | | .01 | 4 | St Cu | NW | Pt Cloudy | 8 | 8 | 7 | BKW | 10 |
| 11 | 72.0 | 29.168 | .167 | 29.001 | 29.95 | 31.8 | 28.3 | 23 | 65 | .118 | 31.8 | 25.3 | S | 12 | | | T | 10 | St | S | Sprinkling | 6 | 6 | 6 | L.C.S. | 11 |
| 12 | 72.0 | 29.346 | .167 | 29.179 | 30.12 | 30.1 | 28.1 | 25 | 78 | .130 | 37.1 | 29.2 | SW | 8 | | | 0 | 9 | St | W | Cloudy | 6 | 6 | 6 | P.G.L. | 12 |
| 13 | 71.5 | 29.053 | .164 | 28.889 | 29.83 | 28.0 | 26.5 | 24 | 82 | .124 | 54.1 | 28.0 | W | 15 | | | T | 10 | St | W | Light Snow | 5 | 6 | 6 | L.C.S. | 13 |
| 14 | 73.5 | 28.662 | .169 | 28.493 | 29.42 | 33.5 | 32.0 | 30 | 86 | .164 | 34.0 | 25.1 | NW | 16 | | | .09 | 10 | St Cu | NW | Cloudy | 8 | 4 | 6 | L.C.S. | 14 |
| 15 | 73.0 | 29.332 | .169 | 29.163 | 30.12 | 10.8 | 10.2 | 8 | 87 | .057 | 24.4 | 10.8 | W | 12 | | | 0.30 | 4 | a Cu | W | Pt Cloudy | 6 | 7 | 7 | L.C.S. | 15 |
| 16 | 71.0 | 29.660 | .166 | 29.494 | 30.47 | 13.0 | 12.0 | 9 | 81 | .060 | 13.9 | 11.1 | W | 9 | | | T | 10 | St Cu | W | Cloudy | 7 | 7 | 7 | L.C.S. | 16 |
| | | | | | | | | | | | | | | | | | | 4 | Ci Cu | W | | | | | | |
| 17 | 75.5 | 29.472 | .177 | 29.295 | 30.27 | 24.1 | 21.0 | 14 | 60 | .077 | 24.1 | 14.8 | SW | 12 | | | 0 | 4 | St | SW | Cloudy | 6 | 5 | 6 | L.C.S. | 17 |
| 18 | 79.0 | 29.279 | .185 | 29.094 | 30.03 | 34.0 | 32.1 | 29 | 82 | .157 | 42.2 | 32.5 | NW | 4 | | | T | 4 | a St | W | Cloudy | 6 | 6 | 6 | P.G.L. | 18 |
| | | | | | | | | | | | | | | | | | | 5 | St Cu | W | | | | | | |
| 19 | 77.0 | 29.134 | .180 | 28.954 | 29.90 | 32.8 | 30.3 | 27 | 76 | .143 | 33.0 | 30.3 | S | 10 | | | 0 | 10 | St | S | Cloudy | 6 | 6 | 6 | L.C.S. | 19 |
| 20 | 73.0 | 29.145 | .169 | 28.976 | 29.92 | 34.5 | 33.0 | 30 | 86 | .164 | 42.0 | 33.9 | SW | 7 | | | 0 | 1 | Ci | NW | Clear | 6 | 6 | 6 | BKW | 20 |
| | | | | | | | | | | | | | | | | | | 6 | a Cu | W | | | | | | |
| 21 | 73.0 | 28.932 | .168 | 28.764 | 29.68 | 46.8 | 42.2 | 37 | 68 | .219 | 46.8 | 39.0 | S | 11 | | | 0 | 10 | St Haze | — | Pt Cloudy | 6 | 5 | 6 | BKW | 21 |
| 22 | 74.0 | 29.118 | .171 | 28.947 | 29.89 | 36.2 | 35.0 | 33 | 89 | .187 | 47.3 | 36.0 | W | 9 | | | T | 10 | St | W | Cloudy | 6 | 6 | 6 | BKW | 22 |
| | | | | | | | | | | | | | | | | | | 10 | St Haze | — | | | | | | |
| 23 | 72.5 | 29.252 | .168 | 29.084 | 30.03 | 32.0 | 30.5 | 28 | 85 | .150 | 37.5 | 31.9 | NE | 10 | | | .02 | 10 | St | NE | Cloudy | 6 | 7 | 6 | BKW | 23 |
| | | | | | | | | | | | | | | | | | | 10 | St Haze | — | | | | | | |
| 24 | 75.0 | 29.351 | .175 | 29.176 | 30.12 | 34.0 | 32.0 | 29 | 81 | .157 | 34.6 | 33.1 | SW | 9 | | | 0 | 10 | St | SW | Cloudy | 7 | 7 | 7 | BKW | 24 |
| 25 | 70.5 | 29.378 | .164 | 29.214 | 30.15 | 32.0 | 31.0 | 30 | 90 | .164 | 38.0 | 30.6 | SW | 15 | | | 0 | 10 | St | SW | Cloudy | 6 | 6 | 6 | L.C.S. | 25 |
| | | | | | | | | | | | | | | | | | | 10 | St Haze | — | | | | | | |
| 26 | 71.0 | 28.820 | .162 | 28.658 | 29.59 | 33.7 | 33.0 | 32 | 93 | .180 | 49.9 | 33.5 | W | 15 | | | .01 | 10 | St | W | Lt Rain & Snow | 6 | 6 | 7 | BKW | 26 |
| 27 | 64.0 | 29.163 | .145 | 29.018 | 29.98 | 24.8 | 24.2 | 23 | 93 | .118 | 30.0 | 24.1 | SW | 9 | | | 0 | 8 | a Cu | NW | Cloudy | 7 | 7 | 7 | BKW | 27 |
| | | | | | | | | | | | | | | | | | | 2 | Ci | W | | | | | | |
| 28 | 73.0 | 29.208 | .169 | 29.039 | 29.98 | 37.0 | 33.9 | 30 | 73 | .164 | 48.0 | 36.7 | W | 7 | | | 0 | 1 | a Cu | W | Clear | 6 | 7 | 5 | BKW | 28 |
| | | | | | | | | | | | | | | | | | | 3 | a Cu | SW | | | | | | |
| 29 | 78.5 | 29.333 | .154 | 29.149 | 30.08 | 55.0 | 51.0 | 48 | 76 | .254 | 55.0 | 38.7 | [illegible] | [illegible] | | | T | 1 | St Cu | SW | Cloudy | 6 | 6 | 6 | BKW | 29 |
| 30 | 71.5 | 29.358 | .165 | 29.193 | 30.12 | 42.0 | 38.1 | 33 | 71 | .187 | 62.5 | 42.0 | W | 9 | | | 0.10 | 0 | — | — | Clear | 6 | 7 | 6 | L.C.S. | 30 |
| 31 | | | | | | | | | | | | | | | | | | | | | | | | | | 31 |
| Sums | (a) | (a) | (a) | 872.510 | 900.81 | 1017.2 | 952.8 | 860 | 2394 | 5.008 | (a) | (a) | (a) | 317 | (a) | (a) | 0.74 | 219 | (a) | (a) | (a) | (a) | (a) | (a) | (a) | (a) |
| Means | (a) | (a) | (a) | 29.084 | 30.027 | 33.9 | 31.8 | 28.7 | 79.8 | .167 | (a) | (a) | (c) W | 10.6 | (a) | (a) | (a) | 7.3 | U a Cu L St | U W L W | (a) | (a) | (a) | (a) | (a) | (a) |

8—154 Reference letters in this form refer to paragraph 121, "Instructions for Preparing Meteorological Forms."

† By dial when self-register is out of order.
†† T indicates trace of precipitation.

Wind data corrected to true velocity.

U, upper clouds. L, lower clouds.

Use visibility scale in "Instructions for Preparing Meteorological Forms."

# ORIGINAL MONTHLY RECORD OF OBSERVATIONS at Fort Wayne, Ind., for the Month of NOV - 1933, 193

Number of Station barometer, 656; sum of corrections, -.052 inch.

OBSERVATIONS AT 8 P. M. 75TH MERIDIAN TIME, WHICH CORRESPONDS TO 7:00 P. M. 90 MERIDIAN TIME, THE STANDARD OF TIME IN LOCAL USE; 7:19 P. M. LOCAL MEAN TIME.

| Date. | Barometer. Attached thermometer. | Barometer. Observed reading. | Barometer. Total correction. | Barometer. Station. (Observed reading plus total cor.) (b) | Barometer. Reduced to sea-level. (b) | Thermometers. Dry. (b) | Thermometers. Wet. (b) | Dew-point. (b) | Relative humidity. (b) | Vapor pressure. (b) | Self-Reg. Ther's. Max. (b) | Self-Reg. Ther's. Min. (b) | Wind. Dir. | Wind. Velocity. (b) † | Wind. Max. during preceding 12 hours. | Wind. Dir. | Precipitation. Amt. at 8 p. m. (b) †† | Clouds. Amt. | Clouds. Kind. | Clouds. Dir. from. | State of Weather. | Fog, Mid. to Mid. (Local standard time.) Light (f). Began. | Light (f). Ended. | Dense (f). Began. | Dense (f). Ended. | Initials of observer. | Date. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | In. | | In. | In. | ° | ° | ° | % | In. | ° | ° | | Mi. | Mi. | | In. | | | | | | | | | | |
| 1 | 78.0 | 29.262 | .183 | 29.079 | 30.00 | 69.3 | 60.3 | 54 | 59 | .417 | 77.0 | 57.7 | S | 6 | | | | 3 | acu | S | Clear | | | | | L.C.S. | 1 |
| 2 | 77.0 | 29.130 | .180 | 28.950 | 29.87 | 67.0 | 58.8 | 54 | 61 | .417 | 74.4 | 55.4 | S | 9 | | | 0 | 5<br>3 | acu<br>cu | S<br>S | Cloudy | | | | | L.C.S. | 2 |
| 3 | 78.5 | 29.538 | .185 | 29.353 | 30.30 | 42.0 | 37.0 | 30 | 62 | .164 | 47.6 | 42.0 | N | 6 | | | 0 | 0 | — | — | Clear | | | | | L.C.S. | 3 |
| 4 | 72.0 | 29.503 | .168 | 29.335 | 30.29 | 39.0 | 35.2 | 30 | 70 | .164 | 43.2 | 32.0 | NE | 16 | | | 0 | 10<br>10 | st cu<br>St Haze | NE<br>— | Cloudy | | | | | B&W | 4 |
| 5 | 68.0 | 29.280 | .156 | 29.124 | 30.07 | 38.5 | 35.2 | 31 | 73 | .172 | 43.1 | 33.1 | N | 9 | | | 0 | 10 | St | E? | Cloudy | | | | | B&W | 5 |
| 6 | 80.0 | 29.306 | .188 | 29.118 | 30.07 | 38.3 | 37.3 | 36 | 91 | .211 | 40.5 | 34.1 | W | 6 | | | T | 10<br>10<br>3 | st cu<br>St Fog<br>ac cu | W<br>W<br>NW | Misty | 5:45P | D.N.P. | | | L.C.S. | 6 |
| 7 | 79.0 | 29.278 | .185 | 29.093 | 30.04 | 31.3 | 29.2 | 26 | 78 | .136 | 37.4 | 31.3 | NW | 12 | | | .01 | 4 | st cu | NW | Pt Cloudy moderate | | | | | L.C.S. | 7 |
| 8 | 77.0 | 29.216 | .180 | 29.036 | 29.99 | 30.8 | 30.8 | 31 | 100 | .172 | 32.9 | 26.0 | SW | 9 | | | .02 | 10 | St | SW | Snow | | | | | L.C.S. | 8 |
| 9 | 73.0 | 29.360 | .169 | 29.191 | 30.14 | 26.5 | 25.0 | 22 | 82 | .113 | 34.0 | 26.0 | W | 14 | | | .01 | 3<br>7 | ac cu<br>st cu | W<br>W | Cloudy | | | | | L.C.S. | 9 |
| 10 | 75.0 | 29.506 | .176 | 29.330 | 30.29 | 26.0 | 23.8 | 19 | 73 | .098 | 28.9 | 20.5 | W | 12 | | | 0 | 10 | st cu | W | Cloudy | | | | | L.C.S. | 10 |
| 11 | 74.0 | 29.284 | .172 | 29.112 | 30.06 | 37.1 | 33.6 | 28 | 70 | .150 | 44.2 | 31.8 | NW | 16 | | | .02 | 10 | St Cu | NW | Cloudy | | | | | P.A.L. | 11 |
| 12 | 74.0 | 28.894 | .171 | 28.723 | 29.65 | 54.1 | 45.6 | 36 | 51 | .211 | 54.1 | 30.1 | SW | 30 | | | 0 | 10 | st cu | S | Cloudy | | | | | P.A.L. | 12 |
| 13 | 73.0 | 29.030 | .168 | 28.862 | 29.81 | 28.1 | 26.0 | 22 | 76 | .113 | 32.2 | 28.0 | SW | 16 | | | T | 10 | St Cu | W | Cloudy | | | | | P.A.L. | 13 |
| 14 | 74.0 | 29.164 | .172 | 28.992 | 29.94 | 24.4 | 22.9 | 20 | 81 | .103 | 33.5 | 24.4 | NW | 16 | | | .01 | 5-<br>5<br>4 | cu<br>st cu<br>ac cu | W<br>W<br>W | Light Snow | | | | | P.A.L. | 14 |
| 15 | 73.5 | 29.472 | .172 | 29.300 | 30.28 | 13.9 | 12.9 | 10 | 82 | .063 | 17.3 | 10.5 | W | 8 | | | 0 | 3 | st cu | W | Pt Cloudy | | | | | P.A.L. | 15 |
| 16 | 70.0 | 29.735 | .163 | 29.572 | 30.55 | 18.2 | 16.1 | 10 | 67 | .063 | 23.2 | 13.0 | W | 5 | | | 0 | — | — | — | Clear | | | | | P.A.L. | 16 |
| 17 | 77.5 | 29.182 | .181 | 29.001 | 29.95 | 42.2 | 39.1 | 35 | 76 | .203 | 42.2 | 24.1 | SW | 10 | | | .08 | 5-<br>5-<br>5- | ast<br>st cu<br>ast | S<br>S<br>W | Cloudy | 7:15A | 10:00A | | | L.C.S. | 17 |
| 18 | 78.5 | 29.320 | .184 | 29.136 | 30.09 | 33.0 | 30.6 | 27 | 77 | .143 | 39.5 | 33.0 | NW | 7 | | | 0 | 3 | St | NW | Cloudy | | | | | L.C.S. | 18 |
| 19 | 77.0 | 29.026 | .179 | 28.847 | 29.80 | 42.0 | 37.3 | 31 | 64 | .172 | 49.8 | 32.8 | W | 8 | | | 0 | 0 | — | — | Clear | | | | | L.C.S. | 19 |
| 20 | 76.0 | 29.119 | .176 | 28.943 | 29.88 | 43.3 | 40.0 | 36 | 76 | .211 | 50.3 | 34.2 | E | 8 | | | 0 | 0 | — | — | Clear | | | | | L.C.S. | 20 |
| 21 | 77.0 | 28.935 | .179 | 28.756 | 29.68 | 47.3 | 43.3 | 39 | 73 | .237 | 51.0 | 46.8 | W | 14 | | | 0.23 | 10 | St Cu | W | Cloudy | 8:00A | 3:00P | | | L.C.S. | 21 |
| 22 | 75.0 | 29.186 | .175 | 29.011 | 29.96 | 37.5 | 36.2 | 34 | 89 | .195 | 39.5 | 36.2 | W | 6 | | | .01 | 10<br>10 | st cu<br>Haze | W<br>— | Light Rain | | | | | L.C.S. | 22 |
| 23 | 75.5 | 29.316 | .176 | 29.140 | 30.09 | 34.0 | 30.8 | 26 | 70 | .136 | 34.0 | 31.8 | W | 5 | | | 0 | 10 | St | W | Cloudy | | | | | L.C.S. | 23 |
| 24 | 74.5 | 29.435 | .174 | 29.261 | 30.21 | 38.9 | 34.8 | 31 | 73 | .172 | 38.5 | 33.8 | W | 12 | | | 0 | 9 | st cu | W | Cloudy | | | | | L.C.S. | 24 |
| 25 | 71.0 | 29.040 | .163 | 28.877 | 29.82 | 48.2 | 44.0 | 40 | 72 | .247 | 50.8 | 32.0 | SW | 15 | | | 0 | 9 | Ci | W | Cloudy | | | | | B&W | 25 |
| 26 | 67.5 | 29.160 | .155 | 29.005 | 29.95 | 29.5 | 27.5 | 24 | 78 | .124 | 34.9 | 29.1 | NW | 18 | | | .04 | 10 | St | NW | Cloudy | | | | | P.B.W. | 26 |
| 27 | 73.5 | 28.920 | .170 | 28.750 | 29.09 | 46.0 | 39.2 | 30 | 54 | .164 | 48.0 | 24.8 | SW | 16 | | | 0 | 1<br>3 | Ci<br>Ci cu | W<br>W | Pt Cloudy | | | | | L.C.S. | 27 |
| 28 | 77.0 | 29.385 | .181 | 29.204 | 30.14 | 45.0 | 38.0 | 29 | 52 | .157 | 51.4 | 36.6 | SW | 6 | | | 0 | few | Ci | ? | Clear | | | | | L.C.S. | 28 |
| 29 | 75.0 | 29.188 | .175 | 29.013 | 29.93 | 62.5 | 56.0 | 52 | 66 | .387 | 63.6 | 55.0 | SW | 21 | | | T | 9 | st cu | SW | Cloudy | | | | | L.C.S. | 29 |
| 30 | 76.0 | 29.521 | .178 | 29.343 | 30.29 | 43.0 | 36.5 | 27 | 52 | .143 | 49.9 | 41.5 | W | 7 | | | 0 | 0 | — | — | Clear | | | | | L.C.S. | 30 |
| 31 | | | | | | | | | | | | | | | | | | | | | | | | | | | 31 |
| Sums | | (a) | (a) | 872.457 | 900.83 | 1176.0 | 1063.0 | 920 | 2148 | 5.458 | (a) | (a) | (a) | 343 | | | 0.43 | 214 | (a) | (a) | (a) | (a) | (a) | (a) | (a) | (a) | |
| Means | | (a) | (a) | 29.082 | 30.028 | 39.2 | 35.4 | 30.7 | 71.6 | .182 | (a) | (a) | (c) W | 11.4 | | | (a) | 7.1 | U Ac Cu<br>L St. Cu | U W<br>L W | (a) | (a) | (a) | (a) | (a) | (a) | |

Observations are begun about 7.40 o'clock, 75th meridian time.

† By dial when self-register is out of order.

†† T indicates trace of precipitation.

Wind data corrected to true velocity.

U, upper clouds. L, lower clouds.

# ORIGINAL MONTHLY RECORD OF OBSERVATIONS at Fort Wayne, Ind., for the Month of NOV - 1933, 193

| Date. | TEMPERATURE. Maximum. (b) | Minimum (b) | Range. (b) | Change. (b) | Mean (max. and min.). (b) | Normal. | Departure. | Total excess or deficiency since 1st of month. | PRECIPITATION. Character.‡ | Beginning. | Ending. | Character‡ | Beginning. | Ending. | Character.‡ | Beginning. | Ending. | Character.‡ | Beginning. | Ending. | Total (mid. to mid.). (b)†† | Normal. | Departure. | Total excess or deficiency since 1st of month. | Hail and sleet unmelted. 7 p. m. to 7 p. m. *‡‡ | Snow unmelted. 7 p.m. to 7 p. m. *‡‡ | Hail, sleet, and snow on ground at 7 p. m. *‡‡ | Amount of precipitation from melted snow (mid. to mid.). | Date. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | ° | ° | ° | ° | ° | | | | | | | | | | | | | | | | In. | | | +2.12 | In. | In. | In. | In. | |
| Wednesday 1 | 77 | 56 | 21 | 1 | 66 | | | | | | | | | | | | | | | | 0 | .08 | -.08 | -.08 | 0 | 0 | 0 | 0 | 1 |
| 2 | 74 | 46 | 28 | 6 | 60 | | | | | | | | | | | | | | | | 0.14 | .08 | +.06 | -.02 | 0 | 0 | 0 | 0 | 2 |
| 3 | 48 | 33 | 15 | 20 | 40 | | | | | | | | | | | | | | | | .02 | .09 | -.07 | -.09 | 0 | 0 | 0 | 0 | 3 |
| 4 | 43 | 31 | 12 | 3 | 37 | | | | | | | | | | | | | | | | 0 | .09 | -.09 | -.18 | 0 | 0 | 0 | 0 | 4 |
| 5 | 43 | 33 | 10 | 1 | 38 | | | | | | | | | | | | | | | | 0 | .10 | -.10 | -.28 | 0 | 0 | 0 | 0 | 5 |
| 6 | 40 | 34 | 6 | 1 | 37 | | | | | | | | | | | | | | | | T | .10 | -.10 | -.38 | 0 | 0 | 0 | 0 | 6 |
| 7 | 37 | 28 | 9 | 5 | 32 | | | | | | | | | | | | | | | | x.03 | .10 | -.07 | -.45 | 0 | 0.1 | T | x.02 | 7 |
| 8 | 37 | 24 | 13 | 2 | 30 | | | | | | | | | | | | | | | | x.03 | .10 | -.07 | -.52 | 0 | 0.4 | T | x.03 | 8 |
| 9 | 40 | 25 | 15 | 2 | 32 | | | | | | | | | | | | | | | | x.04 | .10 | -.06 | -.58 | 0 | 0.3 | T | x.02 | 9 |
| 10 | 29 | 19 | 10 | 8 | 24 | | | | | | | | | | | | | | | | xT | .10 | -.10 | -.68 | 0 | 0.1 | T | T | 10 |
| 11 | 44 | 25 | 19 | 10 | 34 | | | | | | | | | | | | | | | | .02 | .10 | -.08 | -.76 | T | 0 | 0 | 0 | 11 |
| 12 | 54 | 29 | 25 | 8 | 42 | | | | | | | | | | | | | | | | 0 | .09 | -.09 | -.85 | 0 | 0 | 0 | 0 | 12 |
| 13 | 49 | 25 | 24 | 5 | 37 | | | | | | | | | | | | | | | | .09 | .10 | -.01 | -.86 | 0 | T | T | .09 | 13 |
| 14 | 34 | 22 | 12 | 9 | 28 | | | | | | | | | | | | | | | | x0.16 | .09 | +.07 | -.79 | 0 | 1.1 | 0.6 | x0.16 | 14 |
| 15 | 22 | 10 | 12 | 12 | 16 | | | | | | | | | | | | | | | | x0.15 | .10 | +.05 | -.74 | 0 | 4.8 | 5.4 | x0.15 | 15 |
| 16 | 23 | 11 | 12 | 1 | 17 | | | | | | | | | | | | | | | | 0 | .10 | -.10 | -.84 | 0 | T | 5.0 | 0 | 16 |
| 17 | 42 | 15 | 27 | 11 | 28 | | | | | | | | | | | | | | | | .08 | .11 | -.03 | -.87 | 0 | 0 | 0.5 | 0 | 17 |
| 18 | 40 | 31 | 9 | 8 | 36 | | | | | | | | | | | | | | | | T | .10 | -.10 | -.97 | 0 | 0 | T | 0 | 18 |
| 19 | 50 | 30 | 20 | 4 | 40 | | | | | | | | | | | | | | | | 0 | .10 | -.10 | -1.07 | 0 | 0 | 0 | 0 | 19 |
| 20 | 50 | 34 | 16 | 2 | 42 | | | | | | | | | | | | | | | | 0 | .10 | -.10 | -1.17 | 0 | 0 | 0 | 0 | 20 |
| 21 | 51 | 39 | 12 | 3 | 45 | | | | | | | | | | | | | | | | 0.23 | .09 | +.14 | -1.03 | 0 | 0 | 0 | 0 | 21 |
| 22 | 40 | 34 | 6 | 8 | 37 | | | | | | | | | | | | | | | | x.02 | .09 | -.07 | -1.10 | 0 | 0 | 0 | 0 | 22 |
| 23 | 35 | 32 | 3 | 3 | 34 | | | | | | | | | | | | | | | | x.01 | .09 | -.08 | -1.18 | 0 | 0 | 0 | 0 | 23 |
| 24 | 38 | 32 | 6 | 1 | 35 | | | | | | | | | | | | | | | | 0 | .09 | -.09 | -1.27 | 0 | 0 | 0 | 0 | 24 |
| 25 | 51 | 31 | 20 | 6 | 41 | | | | | | | | | | | | | | | | 0 | .09 | -.09 | -1.36 | 0 | 0 | 0 | 0 | 25 |
| 26 | 48 | 29 | 19 | 3 | 38 | | | | | | | | | | | | | | | | .05 | .09 | -.04 | -1.40 | 0 | T | T | T | 26 |
| 27 | 48 | 24 | 24 | 2 | 36 | | | | | | | | | | | | | | | | 0 | .10 | -.10 | -1.50 | 0 | 0 | 0 | 0 | 27 |
| 28 | 51 | 37 | 14 | 8 | 44 | | | | | | | | | | | | | | | | T | .11 | -.11 | -1.61 | 0 | 0 | 0 | 0 | 28 |
| 29 | 64 | 39 | 25 | 8 | 52 | | | | | | | | | | | | | | | | 0.10 | .10 | .00 | -1.61 | 0 | 0 | 0 | 0 | 29 |
| 30 | 61 | 40 | 21 | 2 | 50 | | | | | | | | | | | | | | | | 0 | .10 | -.10 | -1.71 | 0 | .0 | 0 | 0 | 30 |
| 31 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 31 |
| S | 1363 | 898 | 465 | 163 | 1128 | | Total excess or deficiency since Jan. 1, degree days | | (a) | (a) | (a) | (a) | (a) | (a) | (a) | (a) | (a) | (a) | (a) | (a) | 1.17 | 288 | Total excess or deficiency since Jan. 1, | T | 6.8 | (a) | (a) | (a) | |
| M | 45.4 | 29.9 | 15.5 | 5.4 | (a) | (a) | 823 | | (a) | (a) | (a) | (a) | (a) | (a) | (a) | (a) | (a) | (a) | (a) | (a) | (a) | (a) | +0.41 | (a) | (a) | (a) | (a) | (a) | |

All data are in the standard of time in local use. ‡ Use the following abbreviations: R—rain, Sd—dry snow, Sm—moist snow, H—hail, Sl—sleet. †† T indicates trace of precipitation. ‡‡ Enter the local standard time of observation. * Inches and tenths

37.6



x midnight to midnight estimated

# SUMMARY FOR THE MONTH OF NOV - 1933, 193

The 8 a. m. and 8 p. m. means of pressure, dry and wet thermometers, dew-point, humidity, vapor pressure, and mean cloudiness are in 75th meridian time. All other data are in the standard of time in local use.

## PRESSURE.

(Correction to reduce to a 24-hour mean -.007)

| STATION. | | | | | | | | REDUCED. | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| MEAN. | | | Highest. (h) | Date. | Lowest. (h) | Date. | Absolute range. | MEAN. | | | Highest. (h) | Date. | Lowest. (h) | Date. | Absolute range. |
| 8 a. m. | 8 p. m. | Monthly. (g) | | | | | | 8 a. m. | 8 p. m. | Monthly. (g) | | | | | |
| 29.084 | 29.082 | 29.083 | 29.590 | 16 | 28.470 | 14 | 1.120 | 30.027 | 30.028 | 30.028 | 30.57 | 16 | 29.40 | 14 | 1.17 |
| Corrected mean.... | | 29.076 | | | | | | Corrected mean.... | | 30.021 | | | | | |

## TEMPERATURE.

| MEAN. | | | | | | | | | Highest. (i) | Date. (i) | Lowest. (i) | Date. (i) | Absolute range. | Greatest daily range. (i) | Date. (i) | Least daily range. (i) | Date. (i) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| DRY. | | | WET. | | | Max. | Min. | Monthly. (g) | | | | | | | | | |
| 8 a. m. | 8 p. m. | (8+8)÷2 (g) | 8 a. m. | 8 p. m. | Monthly. (g) | | | | | | | | | | | | |
| 33.9 | 39.2 | 36.6 | 31.8 | 35.4 | 33.6 | 45.4 | 29.9 | 37.6 | 77 | 1 | 10 | 15 | 67 | 28 | 2 | 3 | 23 |

| DEW-POINT. | | | RELATIVE HUMIDITY. | | | VAPOR PRESSURE. | | | NUMBER OF DAYS WITH—(j) | | | | CLOUDS. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | MAXIMUM. | | MINIMUM. | | |
| 8 a. m. | 8 p. m. | Monthly. (g) | 8 a. m. | 8 p. m. | Monthly. (g) | 8 a. m. | 8 p. m. | Monthly. (g) | 32° or below. | 90° or above. | 32° or below. | Zero or below. | Most frequent clouds: St. Cu |
| 28.7 | 30.7 | 29.7 | 79.8 | 71.6 | 75.7 | .167 | .182 | .174 | 3 | 0 | 19 | 0 | Most frequent direction upper clouds: W |
| | | | | | | | | | | | | | Most frequent direction lower clouds: W |

## WIND.

(Wind data corrected to true velocity.)

| Total movement (mid. to mid.). | Average hourly velocity. | Prevailing direction. (p) | Maximum velocity. (r) | Direction. (r) | Date. (r) | NUMBER OF TIMES WIND OBSERVED FROM THE— | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | N. | NE. | E. | SE. | S. | SW. | W. | NW. | Calm. |
| 8221 | 11.4 | W | 30 | SW | 12 | 2 | 4 | 1 | 1 | 6 | 15 | 22 | 9 | 0 |

## WEATHER.

| MEAN CLOUDINESS. | | | SUNSHINE. | NUMBER OF DAYS. | | | NUMBER OF DAYS WITH PRECIPITATION (MID. TO MID.). | | |
|---|---|---|---|---|---|---|---|---|---|
| 8 a. m. | 8 p. m. | Monthly. (t) | Percentage of possible. | Clear. | Partly cloudy. | Cloudy. | Clear. (u) | Partly cloudy. (u) | Cloudy. (u) |
| 7.3 | 7.1 | 7.1 | 30 | 5 | 7 | 18 | 1 | 3 | 11 |

## MISCELLANEOUS PHENOMENA.

DATES OF—(MIDNIGHT TO MIDNIGHT).

| FROSTS. | | | THUNDERSTORMS. (v) | WINDS. (32 miles or over.) | SOLAR HALOS. | LUNAR HALOS. | FOG. | | HAZE. | | SMOKE. | | HAIL. | AURORA. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Light. | Heavy. | Killing. | | | | | Light. | Dense. | Light. | Dense. | Light. | Dense. | | |
| 0 | 0 | 4 | 29 | 0 | 8,28 | 28,29 | 6,18,21 | 0 | 23,25 4,6,21,24 | 0 | 1,20,28 | 0 | 0 | P |

## PRECIPITATION (in inches and hundredths). (m)

| TOTAL AMOUNT | GREATEST AMOUNT IN 24 CONSECUTIVE HOURS. | | EXCESSIVE. | | | | | | NUMBER OF DAYS WITH—(MID. TO MID.). | | | | | | | | SNOW. | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | 2.50 INCHES IN 24 HOURS. (l) * | | | 1 INCH PER HOUR. (l) | | | | | | | | | SNOW. | | TOTAL DEPTH. (o) | AVERAGE DEPTH AT END OF MONTH. |
| | Amt. | Date. (k) | Amt. | Duration. h. m. | Date. (k) | Amt. | Duration. h. m. | Date. (k) | Trace. | .01 or more. | .04 or more. | .25 or more. | 1.00 or more. | Total. | Trace or more. | .01 or more melted. | | |
| 1.17 | 0.31 | 14+15 | 0 | - | - | 0 | - | - | 4 | 15 | 9 | 0 | 0 | 19 | 8 | 6 | 6.8 | 0 |

I. B. only Partially in use

(w) Maximum precipitation in 5 minutes_____, date_____; 10 minutes_____, date_____; 15 minutes_____, date_____:

30 minutes_____, date_____; 1 hour_____, date_____; 2 hours_____, date_____.

## EXCESSIVE.

| DATE. | TOTAL DURATION. | | Total amount of precipitation. | EXCESSIVE RATE. | | Amt. before excessive began. | ACCUMULATED DEPTHS DURING EXCESSIVE RATE FOR CONSECUTIVE PERIODS OF TIME INDICATED BELOW. | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | From— | To— | | Began— | Ended— | | 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
| | | | | | | | | | | | | | | | | | | | | |

* The duration is the time precipitation was actually recorded.

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(6)

Prepared by W. B. Whitten, Meteorologist, _____, Weather Bureau.

ORIGINAL MONTHLY RECORD OF OBSERVATIONS at Fort Wayne, Ind., for the Month of NOV - 1933, 193

Number of Station barometer, 656; sum of corrections, −.052 inch.

SPECIAL OBSERVATIONS.

| Date. | Time. 75th mer. | Time. Local (standard). | Barometer. Attached thermometer | Barometer. Observed reading. | Barometer. Total correction. | Barometer. Station. (Observed reading plus total cor.) | Barometer. Reduced to sea-level. | Thermometers. Dry. | Thermometers. Wet. | Dew-point. | Depression of the dew-point. | Relative humidity. | Maximum thermometer. | Wind. Direction. | Wind. Velocity. † | Wind. Max. since last observation. | Wind. Direction. | Precipitation. †† | Clouds. Amt. | Clouds. Kind. | Clouds. Dir. from. | State of Weather. | Special Phenomena. | Initials of Observer. | Date. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 19 | 1 00 PM | 12 00 M | 77.0 | 28.952 | .179 | 28.773 | 29.70 | 47.0 | 39.2 | 29 | 18 | 48 | 47.0 | SW | 15 | – | – | 0 | 2 | ci | W | | | | |
| | | | | | | | | | | | | | | | | | | | 3 | ci cu | W | Part Cloudy | | L.C.S. | 19 |
| | | | | | | | | | | | | | | | | | | | 5 | ci cu | N | | | | |
| 27 | 1 00 PM | 12 00 M | 74.0 | 29.000 | .171 | 28.829 | 29.77 | 37.5 | 34.0 | 29 | 8.5 | 70 | 37.5 | S | 20 | 23 | S | 0 | 3 | a cu | N | Cloudy | | L.C.S. | 27 |

Extremes of Pressure

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| 16 | 6 00 PM | 5 00 PM | 29.590 | 30.57 | 20 | Highest | L.C.S. | 16 |
| 14 | 5 30 am | 4 30 am | 28.470 | 29.40 | 34 | Lowest | L.C.S. | 14 |

8—154

If additional space is required, rule a sheet similar to this, and paste to this margin.

Wind data corrected to true velocity.

† By dial when self-register is out of order.
†† T indicates trace of precipitation.

ORIGINAL MONTHLY RECORD OF OBSERVATIONS at Fort Wayne, Ind., for the Month of NOV 1933, 193

Wind—Number of Miles and Length of Time From. (Standard of time in local use, 90 meridian.)

| DATE. | N. | | NE. | | E. | | SE. | | S. | | SW. | | W. | | NW. | | CALM. | | TOTAL. | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Miles. | Hours. | Miles. | Hours. | Miles. | Hours. | Miles. | Hours. | Miles. | Hours. | Miles. | Hours. | Miles. | Hours. | Miles. | Hours. | Miles. | Hours. | Miles. | Hours. |
| 1 | | | | | | | 35 | 5 | 92 | 17 | 9 | 1 | | | | | 1 | 1 | 137 | 24 |
| 2 | | | | | | | 40 | 8 | 28 | 3 | 85 | 9 | | | 52 | 4 | | | 205 | 24 |
| 3 | 49 | 6 | 41 | 4 | | | | | | | | | | | 137 | 14 | | | 227 | 24 |
| 4 | | | 294 | 24 | | | | | | | | | | | | | | | 294 | 24 |
| 5 | 18 | 2 | 270 | 22 | | | | | | | | | | | | | | | 288 | 24 |
| 6 | | | | | | | | | | | 31 | 4 | 81 | 10 | 61 | 10 | | | 173 | 24 |
| 7 | | | | | | | | | | | 38 | 4 | 259 | 20 | | | | | 297 | 24 |
| 8 | | | | | | | | | 43 | 4 | 93 | 7 | 169 | 13 | | | | | 305 | 24 |
| 9 | | | | | | | | | | | 17 | 1 | 376 | 22 | 19 | 1 | | | 412 | 24 |
| 10 | | | | | | | | | 9 | 1 | 29 | 3 | 233 | 20 | | | | | 271 | 24 |
| 11 | | | | | | | 9 | 1 | 92 | 8 | 48 | 3 | 37 | 2 | 132 | 10 | | | 318 | 24 |
| 12 | | | | | | | | | 184 | 10 | 70 | 4 | 86 | 9 | 7 | 1 | | | 347 | 24 |
| 13 | | | | | | | | | | | 101 | 7 | 209 | 12 | 84 | 5 | | | 394 | 24 |
| 14 | | | | | | | | | | | 29 | 2 | 42 | 3 | 279 | 19 | | | 350 | 24 |
| 15 | | | | | | | | | | | | | 266 | 21 | 35 | 3 | | | 301 | 24 |
| 16 | | | | | | | | | 16 | 2 | | | 190 | 21 | 12 | 1 | | | 218 | 24 |
| 17 | | | | | | | | | 119 | 10 | 128 | 11 | 24 | 3 | | | | | 271 | 24 |
| 18 | | | | | | | | | | | 7 | 1 | 69 | 8 | 123 | 15 | | | 199 | 24 |
| 19 | | | | | | | | | 64 | 6 | 97 | 10 | 77 | 8 | | | | | 238 | 24 |
| 20 | | | | | 105 | 14 | 18 | 2 | | | 41 | 8 | | | | | | | 164 | 24 |
| 21 | | | | | | | | | 116 | 12 | 40 | 3 | 119 | 8 | 11 | 1 | | | 286 | 24 |
| 22 | | | 19 | 3 | | | | | | | | | 141 | 19 | 12 | 2 | | | 172 | 24 |
| 23 | 12 | 2 | 88 | 11 | | | | | | | | | 49 | 10 | 4 | 1 | | | 153 | 24 |
| 24 | | | | | | | | | | | 119 | 14 | 139 | 10 | | | | | 258 | 24 |
| 25 | | | | | | | | | 90 | 7 | 290 | 17 | | | | | | | 380 | 24 |
| 26 | | | | | | | | | | | 44 | 3 | 75 | 4 | 300 | 17 | | | 419 | 24 |
| 27 | | | | | | | | | 123 | 8 | 107 | 8 | 58 | 5 | 25 | 3 | | | 313 | 24 |
| 28 | | | | | 30 | 4 | | | 7 | 1 | 40 | 7 | 104 | 12 | | | | | 181 | 24 |
| 29 | | | | | 29 | 5 | | | 25 | 2 | 300 | 16 | 19 | 1 | | | | | 373 | 24 |
| 30 | | | | | | | | | | | | | 183 | 16 | 94 | 8 | | | 277 | 24 |
| 31 | | | | | | | | | | | | | | | | | | | | |
| Sum, | 79 | 10 | 712 | 64 | 164 | 23 | 102 | 16 | 1008 | 91 | 1763 | 143 | 3005 | 257 | 1387 | 115 | 1 | 1 | 8221 | 720 |
| Percentage, | 1 | 1 | 9 | 9 | 2 | 3 | 1 | 2 | 12 | 13 | 21 | 20 | 37 | 36 | 17 | 16 | 0 | 0 | a | a |
| Avg. Hourly Velocity, | 7.9 | a | 11.1 | a | 7.1 | a | 6.4 | a | 11.1 | a | 12.3 | a | 11.7 | a | 12.1 | a | 1.0 | a | 11.4 | a |

Wind data corrected to true velocity.

# ORIGINAL MONTHLY RECORD OF OBSERVATIONS at Fort Wayne, Ind., for the Month of DEC - 1933, 193

**Number of Station barometer, 656; sum of corrections, −.052 inch.**

OBSERVATIONS AT 8 A. M. 75TH MERIDIAN TIME, WHICH CORRESPONDS TO 7:00 A. M. 90 MERIDIAN TIME, THE STANDARD OF TIME IN LOCAL USE; 7:19 A. M. LOCAL MEAN TIME.

| Date. | Barometer. Attached thermometer. | Barometer. Observed reading. | Barometer. Total correction. | Barometer. Station. (Observed reading plus total cor.) (b) | Barometer. Reduced to sea-level. (b) | Thermometers. Dry. (b) | Thermometers. Wet. (b) | Dew-point. (b) | Relative humidity. (b) | Vapor pressure. (b) | Self-Reg. Ther's Max. (b) | Self-Reg. Ther's Min. (b) | Wind. Dir. | Wind. Velocity. (b) † | Wind. Max. during preceding 12 hours. | Wind. Dir. | Precipitation. Amt. at 8 a. m. (b) †† | Clouds. Amt. | Clouds. Kind. | Dir. from. | State of Weather. | Visibility. 8 a. m. | Visibility. Local noon. | Visibility. 8 p. m. | Initials of Observer: | Date. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | In. | | In. | In. | ° | ° | ° | % | In. | ° | ° | | Mi. | Mi. | | In. | | | | | | | | | | |
| 1 | 74.0 | 29.725 | .174 | 29.551 | 30.50 | 32.7 | 31.9 | 31 | 92 | .172 | 43.0 | 32.0 | NW | 3 | | | 0 | 2 | ci | NW | Clear | 6 | 7 | 6 | B.B.W. | 1 |
| 2 | 77.0 | 29.500 | .181 | 29.319 | 30.27 | 40.0 | 36.0 | 31 | 68 | .172 | 40.0 | 32.7 | SE | 5 | | | T | 7<br>3 | st<br>st cu | SW<br>SW | Cloudy<br>Cloudy | 6 | 6 | 7 | L.C.S. | 2 |
| obs. late Taken at 9:40 a.m. | 74.0 | 28.900 | .171 | 28.729 | 29.65 | 52.0<br>50.1 | 49.0<br>48.0 | 46 | 81<br>87 | .310 | 56.0 | 48.8 | SW | 7<br>12 | | | .14<br>.16 | 10 | St Cu | W | lt Rain<br>Cloudy | 7 | 7 | 7 | P.a.L. | 3 |
| 4 | 78.0 | 29.141 | .182 | 28.959 | 29.90 | 46.0 | 45.0 | 44 | 93 | .287 | 46.0 | 39.3 | SW | 6 | | | T | 10<br>10 | st fog<br>St | SW<br>W | Cloudy | 2 | 5 | 6 | P.a.L. | 4 |
| 5 | 73.0 | 29.060 | .168 | 28.892 | 29.82 | 45.1 | 43.0 | 41 | 85 | .256 | 48.0 | 45.0 | SW | 7 | | | 0 | 3<br>6 | ci<br>Ci St | NW<br>NW | Cloudy | 6 | 5 | 5 | B.B.W. | 5 |
| 6 | 76.0 | 29.231 | .177 | 29.054 | 29.99 | 34.0 | 31.1 | 27 | 73 | .143 | 45.0 | 34.0 | NW | 12 | | | T | 10 | St | N | Cloudy | 7 | 7 | 6 | B.B.W. | 6 |
| 7 | 72.0 | 29.098 | .166 | 28.932 | 29.88 | 29.0 | 28.0 | 26 | 89 | .136 | 31.8 | 26.2 | SW | 13 | | | 0 | 3 | a cu | W | Clear | 7 | 7 | 6 | B.B.W. | 7 |
| 8 | 73.0 | 29.144 | .169 | 28.975 | 29.93 | 31.0 | 29.9 | 29 | 88 | .157 | 39.8 | 31.0 | SW | 5 | | | 0 | 1 | a st | ? | Clear | 5 | 6 | 7 | B.B.W. | 8 |
| 9 | 76.0 | 29.514 | .178 | 29.336 | 30.31 | 17.2 | 16.0 | 12 | 80 | .070 | 26.0 | 17.0 | NE | 4 | | | 0 | 4<br>1 | a cu<br>St Cu | W<br>NE | Pt Cloudy | 6 | 6 | 6 | L.C.S. | 9 |
| 10 | 68.0 | 29.253 | .156 | 29.097 | 30.06 | 26.1 | 25.8 | 26 | 96 | .136 | 26.5 | 25.1 | SE | 12 | | | T | 10 | St | S | lt Snow | 5 | 4 | 6 | B.B.W. | 10 |
| 11 | 66.0 | 29.294 | .151 | 29.143 | 30.10 | 18.1 | 17.0 | 14 | 83 | .077 | 35.0 | 18.1 | NW | 14 | | | .01 | 10 | St Cu | NW | lt Snow | 6 | 7 | 6 | B.B.W. | 11 |
| 12 | 77.0 | 29.579 | .181 | 29.398 | 30.38 | 15.0 | 14.0 | 11 | 82 | .066 | 15.8 | 10.0 | NW | 3 | | | 0 | 3<br>6 | Ci St<br>a cu | ?<br>NW | Cloudy | 6 | 7 | 5 | B.B.W. | 12 |
| 13 | 74.0 | 29.345 | .172 | 29.173 | 30.13 | 17.9 | 16.0 | 10 | 70 | .063 | 20.5 | 13.8 | E | 10 | | | 0 | 10 | St | W | Cloudy | 6 | 5 | 6 | B.B.W. | 13 |
| 14 | 74.5 | 29.534 | .174 | 29.360 | 30.33 | 20.5 | 19.9 | 18 | 91 | .093 | 24.0 | 20.0 | NE | 9 | | | 0 | 10<br>10 | St<br>lt Haze | SE<br>— | Cloudy | 6 | 6 | 5 | B.B.W. | 14 |
| 15 | 73.0 | 28.980 | .168 | 28.812 | 29.74 | 55.1 | 53.6 | 52 | 91 | .387 | 55.1 | 28.0 | S | 15 | | | T | 4<br>6 | St Cu<br>St | SW<br>SW | Cloudy | 6 | 6 | 6 | B.B.W. | 15 |
| 16 | 75.5 | 29.367 | .176 | 29.191 | 30.13 | 32.3 | 31.4 | 30 | 91 | .164 | 44.9 | 32.2 | W | 7 | | | 0 | 10<br>10 | St<br>lt Haze | W<br>— | Cloudy | 6 | 4 | 2 | B.B.W. | 16 |
| 17 | 70.0 | 29.250 | .161 | 29.089 | 30.04 | 35.0 | 35.0 | 35 | 100 | .203 | 35.0 | 32.3 | NE | 6 | | | T | 10<br>10 | ne<br>D.7 og | NE<br>NE | Sprinkling | 1 | 2 | 6 | L.C.S. | 17 |
| 18 | 68.0 | 29.674 | .158 | 29.516 | 30.48 | 30.7 | 29.0 | 26 | 82 | .136 | 39.5 | 30.6 | NE | 9 | | | 0 | 6<br>2 | Ci<br>St Cu | W<br>N? | Cloudy | 6 | 6 | 4 | B.B.W. | 18 |
| 19 | 70.0 | 29.546 | .162 | 29.384 | 30.34 | 30.5 | 29.6 | 28 | 90 | .150 | 34.0 | 30.0 | NE | 6 | | | 0 | 10<br>10 | St<br>lt 7 og | W<br>NE | Cloudy | 5 | 5 | 5 | B.B.W. | 19 |
| 20 | 73.0 | 29.083 | .168 | 28.915 | 29.87 | 37.1 | 37.0 | 37 | 99 | .219 | 37.6 | 35.1 | E | 3 | | | .28 | 10<br>10 | St<br>lt 7 og | E?<br>E | Misting | 4 | 5 | 6 | B.B.W. | 20 |
| 21 | 73.5 | 29.177 | .171 | 29.006 | 29.96 | 33.5 | 31.0 | 28 | 76 | .150 | 37.1 | 33.1 | NW | 13 | | | T | 10 | St | NW | Cloudy | 7 | 7 | 6 | B.B.W. | 21 |
| 22 | 75.0 | 29.087 | .174 | 28.913 | 29.86 | 34.2 | 32.7 | 30 | 86 | .164 | 36.1 | 31.9 | SW | 10 | | | 0 | 2 | Ci | NW | Clear | 7 | 6 | 5 | B.B.W. | 22 |
| 23 | 74.0 | 29.104 | .171 | 28.933 | 29.88 | 31.3 | 30.8 | 30 | 95 | .164 | 41.2 | 31.3 | W | 4 | | | 0 | 2 | Ci St | P | Clear | 4 | 6 | 7 | L.C.S. | 23 |
| 24 | 74.0 | 28.921 | .171 | 28.750 | 29.66 | 51.8 | 49.8 | 48 | 88 | .334 | 55.8 | 47.9 | SW | 9 | | | 0 | 10 | St Cu | W | Cloudy | 6 | 5 | 6 | P.a.L. | 24 |
| 25 | 70.0 | 29.654 | .163 | 29.491 | 30.46 | 21.5 | 19.8 | 16 | 76 | .085 | 30.8 | 21.5 | W | 13 | | | T | 10 | St Cu | W | Light Snow | 7 | 7 | 7 | L.C.S. | 25 |
| 26 | 74.0 | 29.243 | .172 | 29.071 | 30.03 | 19.0 | 18.0 | 15 | 85 | .081 | 24.1 | 18.9 | NE | 10 | | | .12 | 10 | St | NE | Light Snow | 6 | 6 | 6 | B.B.W. | 26 |
| 27 | 66.0 | 29.718 | .152 | 29.566 | 30.57 | -2.8 | -3.2 | -6 | 85 | .028 | 8.2 | -4.1 | W | 9 | | | T | 0 | — | — | Clear | 7 | 6 | 6 | B.B.W. | 27 |
| 28 | 72.0 | 29.732 | .169 | 29.563 | 30.56 | 3.6 | 2.8 | -1 | 78 | .036 | 7.1 | 3.4 | SW | 9 | | | 0 | Few<br>4 | Ci<br>a cu | W<br>W | Clear | 6 | 6 | 7 | B.B.W. | 28 |
| 29 | 70.0 | 30.015 | .164 | 29.851 | 30.85 | 7.1 | 6.0 | 1 | 74 | .040 | 15.8 | 7.1 | E | 9 | | | 0 | 5 | a st | W | Cloudy | 7 | 6 | 6 | B.B.W. | 29 |
| 30 | 69.0 | 29.518 | .160 | 29.358 | 30.33 | 24.0 | 22.0 | 18 | 74 | .093 | 24.0 | 11.0 | S | 10 | | | T | 10 | St | SW | Cloudy | 6 | 6 | 6 | L.C.S. | 30 |
| 31 | 73.0 | 29.266 | .169 | 29.097 | 30.04 | 44.1 | 42.6 | 41 | 89 | .256 | 44.9 | 40.4 | SW | 12 | | | T | 10 | St Cu | W | Cloudy | 6 | 4 | 6 | P.a.L. | 31 |
| Sums | | (a) | (a) | 904.424 | 934.05 | 917.6 | 870.5 | 794 | 2630 | 4.828 | (a) | (a) | (a) | 264 | | | 0.55 | 240 | (a) | (a) | (a) | (a) | (a) | (a) | (a) | |
| Means | | (a) | (a) | 29.175 | 30.131 | 29.4 | 28.1 | 25.6 | 84.8 | .156 | (a) | (a) | (c) SW | 8.5 | | | (a) | 7.7 | U Ci<br>L St. | U W<br>L W | (a) | (a) | (a) | (a) | (a) | (a) | |

8—154 Reference letters in this form refer to paragraph 121, "Instructions for Preparing Meteorological Forms."

† By dial when self-register is out of order.
†† T indicates trace of precipitation.

Wind data corrected to true velocity.

U, upper clouds. L, lower clouds.

Use visibility scale in "Instructions for Preparing Meteorological Forms."

# ORIGINAL MONTHLY RECORD OF OBSERVATIONS at Fort Wayne, Ind., for the Month of DEC - 1933, 193

Number of Station barometer, 656; sum of corrections, −.052 inch.

OBSERVATIONS AT 8 P. M. 75TH MERIDIAN TIME, WHICH CORRESPONDS TO 7:00 P. M. 90 MERIDIAN TIME, THE STANDARD OF TIME IN LOCAL USE; 7:19 P. M. LOCAL MEAN TIME.

| Date. | Barometer. Attached thermometer. (b) | Barometer. Observed reading. (b) | Barometer. Total correction. (b) | Barometer. Station. (Observed reading plus total cor.) (b) | Barometer. Reduced to sea-level. (b) | Thermometers. Dry. (b) | Thermometers. Wet. (b) | Dew-point. (b) | Relative humidity. (b) | Vapor pressure. (b) | Self-Reg. Ther's Max. (b) | Self-Reg. Ther's Min. (b) | Wind. Dir. | Wind. Velocity. (b) † | Wind. Max. during preceding 12 hours. | Wind. Dir. | Precipitation. Amt. at 8 p. m. (b) †† | Clouds. Amt. | Clouds. Kind. | Clouds. Dir. from. | State of Weather. | Fog, Mid. to Mid. (Local standard time.) Light (f). Began. | Light (f). Ended. | Dense (f). Began. | Dense (f). Ended. | Initials of observer. | Date. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | In. | In. | | In. | In. | ° | ° | ° | % | In. | ° | ° | | Mi. | Mi. | | In. | | | | | | | | | | |
| 1 | 79.0 | 29.700 | .187 | 29.513 | 30.47 | 35.8 | 31.0 | 24 | 58 | .124 | 41.4 | 32.7 | SE | 7 | | | 0 | 6 | a cu | W | | | | | | | L.C.S. | 1 |
| | | | | | | | | | | | | | | | | | | 3 | St Cu | E | Cloudy | | | | | | |
| 2 | 77.0 | 29.236 | .180 | 29.056 | 30.00 | 48.8 | 44.3 | 40 | 71 | .247 | 49.8 | 40.0 | SE | 10 | | | T | 10 | St Cu | S | Cloudy | | | | | P.A.L. | 2 |
| 3 | 74.0 | 28.918 | .171 | 28.747 | 29.67 | 42.2 | 41.2 | 40 | 92 | .247 | 52.0 51.1 | 42.2 | SW | 6 | | | .10 .08 | 0 | — | — | Clear | D N R Contd 8:00 A | Contd D N R 10:00 A | | | P.A.L. | 3 |
| 4 | 75.0 | 29.094 | .174 | 28.920 | 29.85 | 45.5 | 44.5 | 44 | 93 | .287 | 47.6 | 45.5 | SE | 9 | | | T | 2 | St | SE | Clear | 12:15 P | D. N. R. | D.N.R. | 8:00 A | L.C.S. | 4 |
| | | | | | | | | | | | | | | | | | | 10 | St Hze | — | | | | | | | |
| 5 | 77.0 | 29.096 | .179 | 28.917 | 29.85 | 45.0 | 44.3 | 44 | 95 | .287 | 47.0 | 44.7 | NW | 9 | | | T | 10 | St | NW | | | | | | | L.C.S. | 5 |
| | | | | | | | | | | | | | | | | | | 10 | Hy Fog | NW | Misting | | | | | | |
| 6 | 76.0 | 29.220 | .177 | 29.043 | 29.99 | 31.8 | 29.8 | 27 | 79 | .143 | 35.6 | 31.8 | NW | 6 | | | 0 | 0 | — | — | Clear | | | | | L.C.S. | 6 |
| 7 | 75.0 | 29.060 | .174 | 28.886 | 29.84 | 39.8 | 35.0 | 28 | 62 | .150 | 45.0 | 29.0 | S | 7 | | | 0 | 0 | — | — | Clear | | | | | L.C.S. | 7 |
| 8 | 77.0 | 29.430 | .181 | 29.249 | 30.20 | 26.0 | 23.8 | 19 | 73 | .098 | 35.3 | 26.0 | NW | 9 | | | T | 10 | St | NW | Cloudy | | | | | L.C.S. | 8 |
| 9 | 71.0 | 29.408 | .165 | 29.243 | 30.20 | 25.9 | 23.8 | 20 | 74 | .103 | 25.9 | 17.0 | SW | 6 | | | T | 10 | St | SW? | Cloudy | | | | | B.W. | 9 |
| | | | | | | | | | | | | | | | | | | 10 | St Haze | — | | | | | | | |
| 10 | 67.0 | 28.890 | .153 | 28.737 | 29.68 | 32.1 | 31.0 | 30 | 89 | .164 | 32.1 | 26.1 | SW | 7 | | | .18 | 10 | St | SW | Cloudy | | | | | B.W. | 10 |
| 11 | 76.0 | 29.565 | .178 | 29.387 | 30.37 | 15.8 | 14.4 | 10 | 76 | .063 | 18.9 | 15.8 | W | 8 | | | T | 2 | a St | NW | | | | | | | L.C.S. | 11 |
| | | | | | | | | | | | | | | | | | | 2 | St Cu | NW | Pt Cloudy | | | | | | |
| 12 | 74.0 | 29.518 | .173 | 29.345 | 30.31 | 20.5 | 18.4 | 13 | 69 | .074 | 23.4 | 15.0 | SE | 5 | | | 0 | 0 | — | — | Clear | | | | | L.C.S. | 12 |
| 13 | 75.5 | 29.410 | .177 | 29.233 | 30.19 | 34.0 | 22.6 | 19 | 82 | .098 | 24.5 | 17.9 | NE | 9 | | | 0 | 10 | St | W | Cloudy | | | | | L.C.S. | 13 |
| | | | | | | | | | | | | | | | | | | (10 | St Haze | — | | | | | | | |
| 14 | 74.0 | 29.314 | .172 | 29.142 | 30.10 | 28.3 | 27.0 | 25 | 85 | .130 | 29.3 | 20.5 | E | 17 | | | T | 10 | St | E | Light Rain | | | | | L.C.S. | 14 |
| | | | | | | | | | | | | | | | | | | 10 | Haze | — | | | | | | | |
| 15 | 75.5 | 29.146 | .176 | 28.970 | 29.90 | 44.9 | 41.4 | 37 | 75 | .219 | 64.1 | 44.9 | W | 12 | | | 0 | 2 | St Cu | W | Clear | 11:00 A | 6:00 P | | | P.A.L. | 15 |
| 16 | 71.0 | 29.395 | .165 | 29.230 | 30.17 | 33.0 | 32.5 | 32 | 95 | .180 | 35.9 | 31.8 | NE | 9 | | | 0 | 10 | D. Fog | NE | Foggy | 7:30 P | Contd D.N.R | 6:00 P | 7:30 P | L.C.S. | 16 |
| | | | | | | | | | | | | | | | | | | 10 | St | W | | Contd | | | | | |
| 17 | 68.5 | 29.384 | .158 | 29.226 | 30.17 | 39.5 | 38.1 | 37 | 89 | .219 | 48.2 | 35.0 | NW | 12 | | | 0.20 | 10 | Hy Haze | — | Cloudy | 7:30 A | 3:30 P | D.N.R. | 7:30 A | L.C.S. | 17 |
| | | | | | | | | | | | | | | | | | | 2 | St | W | | | | | | | |
| 18 | 72.0 | 29.632 | .169 | 29.463 | 30.42 | 34.0 | 32.5 | 30 | 86 | .164 | 36.2 | 30.3 | E | 7 | | | 0 | 10 | Hy Fog | E | Clear | 4:30 P | D.N.R. | | | L.C.S. | 18 |
| | | | | | | | | | | | | | | | | | | 10 | St | W | | 6:00 A | 2:00 P | | | | |
| 19 | 75.0 | 29.324 | .175 | 29.149 | 30.10 | 37.6 | 36.0 | 33 | 86 | .187 | 39.5 | 30.5 | NE | 10 | | | T | 10 | Hy Fog | NE | Light Rain | 4:20 P | Contd 5:00 P | | | L.C.S. | 19 |
| | | | | | | | | | | | | | | | | | | 10 | St | W | | Contd | | | | | |
| 20 | 75.0 | 29.073 | .174 | 28.899 | 29.85 | 37.0 | 36.0 | 35 | 91 | .203 | 40.0 | 36.7 | W | 18 | | | T | 10 | Hy Haze | — | Misting | | | | | L.C.S. | 20 |
| 21 | 75.0 | 29.154 | .175 | 28.979 | 29.93 | 32.0 | 30.0 | 27 | 79 | .143 | 33.7 | 29.8 | SW | 9 | | | 0 | 2 | St | SW | Clear | | | | | L.C.S. | 21 |
| 22 | 76.0 | 29.164 | .177 | 28.987 | 29.93 | 41.2 | 38.0 | 34 | 75 | .195 | 44.2 | 33.8 | W | 3 | | | 0 | 2 | Ci St | ? | Clear | | | | | L.C.S. | 22 |
| 23 | 74.5 | 28.861 | .171 | 28.690 | 29.61 | 55.8 | 47.8 | 40 | 55 | .247 | 59.1 | 30.8 | SW | 18 | | | 0 | 4 | Ci St | W | Pt Cloudy | | | | | P.A.L. | 23 |
| 24 | 74.0 | 29.263 | .172 | 29.091 | 30.03 | 30.8 | 29.8 | 29 | 89 | .157 | 54.2 | 30.8 | NW | 20 | | | T | 10 | St Cu | W | Cloudy | | | | | P.A.L. | 24 |
| 25 | 66.0 | 29.546 | .152 | 29.394 | 30.36 | 24.0 | 21.8 | 14 | 72 | .089 | 24.0 | 19.7 | E | 9 | | | T | 10 | St | W | Cloudy | | | | | L.C.S. | 25 |
| 26 | 71.0 | 29.576 | .165 | 29.411 | 30.39 | 8.2 | 7.8 | 6 | 91 | .052 | 19.4 | 8.2 | NW | 12 | | | .08 | 3 | Ci | W | Pt Cloudy | | | | | L.C.S. | 26 |
| | | | | | | | | | | | | | | | | | | 1 | a cu | W | | | | | | | |
| 27 | 74.5 | 29.712 | .175 | 29.537 | 30.54 | 6.2 | 4.4 | −5 | 55 | .029 | 7.4 | −4.4 | SW | 10 | | | 0 | 10 | St | SW | Cloudy | | | | | L.C.S. | 27 |
| 28 | 73.0 | 29.963 | .172 | 29.791 | 30.79 | 15.8 | 14.2 | 9 | 73 | .060 | 20.2 | 3.4 | NW | 9 | | | T | 10 | St | W | Cloudy. | | | | | X.C.S. | 28 |
| 29 | 73.0 | 29.824 | .171 | 29.653 | 30.64 | 12.2 | 11.2 | 8 | 80 | .057 | 15.2 | 6.7 | E | 9 | | | 0 | 5 | Ci | W | Pt. Cldy. | | | | | L.C.S. | 29 |
| 30 | 73.5 | 29.361 | .171 | 29.190 | 30.13 | 44.0 | 40.5 | 36 | 74 | .211 | 44.0 | 24.0 | SW | 14 | | | T | 10 | St. Cu | W | Cloudy. | | | | | P.A.L. | 30 |
| 31 | 65.0 | 29.009 | .147 | 28.862 | 29.79 | 52.1 | 51.2 | 50 | 95 | .360 | 52.1 | 44.1 | SW | 15 | | | .02 | 10 | St | W | Cloudy. | 10:15 a | 4:40 p. | | | P.A.L. | 31 |
| Sums | (a) | (a) | | 903.940 | 933.47 | 100.98 | 944.3 | 838 | 2458 | 4.987 | (a) | (a) | (a) | 311 | (a) | (a) | 0.58 | 196 | (a) | (a) | (a) | (a) | (a) | (a) | (a) | (a) | (a) |
| Means | (a) | (a) | | 29.159 | 30.112 | 32.6 | 30.5 | 27.0 | 79.3 | .161 | (a) | (a) | (c) SW | 10.0 | (a) | (a) | (a) | 6.3 | U Cu St L St | U W L W | (a) | (a) | (a) | (a) | (a) | (a) | (a) |

Observations are begun about 7.40 o'clock, 75th meridian time.

† By dial when self-register is out of order.

†† T indicates trace of precipitation.

Wind data corrected to true velocity.

U, upper clouds. L, lower clouds.

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# ORIGINAL MONTHLY RECORD OF OBSERVATIONS at Fort Wayne, Ind., for the Month of DEC - 1933, 193

| Date. | TEMPERATURE. Maximum (b) | Minimum (b) | Range (b) | Change (b) | Mean (max. and min.) (b) | Normal | Departure | Total excess or deficiency since 1st of month | PRECIPITATION. Character ‡ | Beginning | Ending | Character ‡ | Beginning | Ending | Character ‡ | Beginning | Ending | Character ‡ | Beginning | Ending | Total (mid. to mid.) (b)†† | Normal | Departure | Total excess or deficiency since 1st of month | Hail and sleet unmelted. 7 p.m. to 7 p.m. *‡‡ | Snow unmelted. 7 p.m. to 7 p.m. *‡‡ | Hail, sleet, and snow on ground at 7 p.m. *‡‡ | Amount of precipitation from melted snow (mid. to mid.) | Date. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | ° | ° | ° | ° | ° | | | | | | | | | | | | | | | | In. | | | +0.71 | In. | In. | In. | In. | |
| Friday 1 | 41 | 32 | 9 | 14 | 36 | | | | | | | | | | | | | | | | 0 | .09 | -.09 | -.09 | 0 | 0 | 0 | 0 | 1 |
| 2 | 52 | 34 | 18 | 7 | 43 | | | | | | | | | | | | | | | | .03 | .10 | -.07 | -.16 | 0 | 0 | 0 | 0 | 2 |
| 3 | 56 | 39 | 17 | 5 | 48 | | | | | | | | | | | | | | | | .21 | .09 | +.12 | -.04 | 0 | 0 | 0 | 0 | 3 |
| 4 | 48 | 39 | 9 | 4 | 44 | | | | | | | | | | | | | | | | T | .09 | -.09 | -.13 | 0 | 0 | 0 | 0 | 4 |
| 5 | 48 | 39 | 9 | 0 | 44 | | | | | | | | | | | | | | | | T | .09 | -.09 | -.22 | 0 | 0 | 0 | 0 | 5 |
| 6 | 39 | 27 | 12 | 11 | 33 | | | | | | | | | | | | | | | | 0 | .10 | -.10 | -.32 | 0 | 0 | 0 | 0 | 6 |
| 7 | 45 | 26 | 19 | 3 | 36 | | | | | | | | | | | | | | | | 0 | .09 | -.09 | -.41 | 0 | 0 | 0 | 0 | 7 |
| 8 | 37 | 21 | 16 | 7 | 29 | | | | | | | | | | | | | | | | T | .09 | -.09 | -.50 | 0 | T | 0 | T | 8 |
| 9 | 26 | 17 | 9 | 7 | 22 | | | | | | | | | | | | | | | | T | .08 | -.08 | -.58 | 0 | T | 0 | T | 9 |
| 10 | 35 | 25 | 10 | 8 | 30 | | | | | | | | | | | | | | | | .18 | .08 | +.10 | -.48 | 0 | 2.4 | 1.7 | .18 | 10 |
| 11 | 31 | 10 | 21 | 10 | 20 | | | | | | | | | | | | | | | | .01 | .08 | -.07 | -.55 | 0 | 0.1 | 1.8 | .01 | 11 |
| 12 | 23 | 10 | 13 | 4 | 16 | | | | | | | | | | | | | | | | 0 | .08 | -.08 | -.63 | 0 | 0 | 1.6 | 0 | 12 |
| 13 | 24 | 14 | 10 | 3 | 19 | | | | | | | | | | | | | | | | 0 | .08 | -.08 | -.71 | 0 | 0 | 1.5 | 0 | 13 |
| 14 | 33 | 20 | 13 | 7 | 26 | | | | | | | | | | | | | | | | T | .08 | -.08 | -.79 | 0 | 0 | 1.5 | 0 | 14 |
| 15 | 64 | 33 | 31 | 22 | 48 | | | | | | | | | | | | | | | | T | .08 | -.08 | -.87 | 0 | 0 | 0 | 0 | 15 |
| 16 | 37 | 32 | 5 | 14 | 34 | | | | | | | | | | | | | | | | 0 | .08 | -.08 | -.95 | 0 | 0 | 0 | 0 | 16 |
| 17 | 48 | 32 | 16 | 6 | 40 | | | | | | | | | | | | | | | | .20 | .08 | +.12 | -.83 | 0 | 0 | 0 | 0 | 17 |
| 18 | 36 | 30 | 6 | 7 | 33 | | | | | | | | | | | | | | | | 0 | .08 | -.08 | -.91 | 0 | 0 | 0 | 0 | 18 |
| 19 | 40 | 30 | 10 | 2 | 35 | | | | | | | | | | | | | | | | .27 | .08 | +.19 | -.72 | 0 | 0 | 0 | 0 | 19 |
| 20 | 40 | 35 | 5 | 3 | 38 | | | | | | | | | | | | | | | | .01 | .08 | -.07 | -.79 | 0 | 0 | 0 | 0 | 20 |
| 21 | 36 | 30 | 6 | 5 | 33 | | | | | | | | | | | | | | | | 0 | .08 | -.08 | -.87 | 0 | 0 | 0 | 0 | 21 |
| 22 | 44 | 34 | 10 | 6 | 39 | | | | | | | | | | | | | | | | 0 | .08 | -.08 | -.95 | 0 | 0 | 0 | 0 | 22 |
| 23 | 59 | 31 | 28 | 6 | 45 | | | | | | | | | | | | | | | | 0 | .08 | -.08 | -1.03 | 0 | 0 | 0 | 0 | 23 |
| 24 | 54 | 28 | 26 | 4 | 41 | | | | | | | | | | | | | | | | T | .08 | -.08 | -1.11 | 0 | 0 | 0 | T | 24 |
| 25 | 28 | 20 | 8 | 17 | 24 | | | | | | | | | | | | | | | | *.03 | .08 | -.05 | -1.16 | 0 | T | 0 | *.03 | 25 |
| 26 | 21 | 0* | 21 | 14 | 10 | | | | | | | | | | | | | | | | *.17 | .08 | +.09 | -1.07 | 0 | 3.6 | 3.6 | *.17 | 26 |
| 27 | 7 | -4 | 11 | 8 | 2 | | | | | | | | | | | | | | | | T | .08 | -.08 | -1.15 | 0 | T | 3.4 | T | 27 |
| 28 | 20 | 3 | 17 | 10 | 12 | | | | | | | | | | | | | | | | T | .08 | -.08 | -1.23 | 0 | T | 3.0 | T | 28 |
| 29 | 15 | 7 | 8 | 1 | 11 | | | | | | | | | | | | | | | | 0 | .08 | -.08 | -1.31 | 0 | 0 | 2.8 | 0 | 29 |
| 30 | 45 | 14 | 31 | 19 | 30 | | | | | | | | | | | | | | | | T | .08 | -.08 | -1.39 | 0 | 0 | T | 0 | 30 |
| 31 | 53 | 40 | 13 | 16 | 46 | | | | | | | | | | | | | | | | .03 | .08 | -.05 | -1.44 | 0 | 0 | 0 | 0 | 31 |
| S | 1185 | 748 | 437 | 250 | 967 | | Total excess or deficiency since Jan. 1, Hearnshoys | | (a) | (a) | (a) | (a) | (a) | (a) | (a) | (a) | (a) | (a) | (a) | (a) | 1.14 | 2.58 | Total excess or deficiency since Jan. 1, | 0 | 6.1 | (a) | (a) | (a) |
| M | 38.2 | 24.1 | 14.1 | 8.1 | 31.2 (a) | (a) | 104.8 | | (a) | (a) | (a) | (a) | (a) | (a) | (a) | (a) | (a) | (a) | (a) | (a) | (a) | (a) | -1.03 | | (a) | (a) | (a) | (a) | (a) |

All data are in the standard of time in local use. ‡ Use the following abbreviations: R—rain, $S^d$—dry snow, $S^m$—moist snow, H—hail, Sl—sleet. †† T indicates trace of precipitation. ‡‡ Enter the local standard time of observation. * Inches and tenths

* interpolated clock stopped.



* Estimated

# SUMMARY FOR THE MONTH OF DEC - 1933, 193

The 8 a. m. and 8 p. m. means of pressure, dry and wet thermometers, dew-point, humidity, vapor pressure, and mean cloudiness are in 75th meridian time. All other data are in the standard of time in local use.

## PRESSURE.

(Correction to reduce to a 24-hour mean -.006)

### STATION.

| Mean. 8 a. m. | Mean. 8 p. m. | Mean. Monthly. (g) | Highest. (h) | Date. | Lowest. (h) | Date. | Absolute range. |
|---|---|---|---|---|---|---|---|
| 29.175 | 29.159 | 29.167 | 29.860 | 29 | 28.660 | 3 | 1.200 |
| Corrected mean.... | | 29.161 | | | | | |

### REDUCED.

| Mean. 8 a. m. | Mean. 8 p. m. | Mean. Monthly. (g) | Highest. (h) | Date. | Lowest. (h) | Date. | Absolute range. |
|---|---|---|---|---|---|---|---|
| 30.131 | 30.112 | 30.122 | 30.86 | 29 | 29.58 | 3 | 1.28 |
| Corrected mean.... | | 30.116 | | | | | |

## TEMPERATURE.

### MEAN.

| Dry. 8 a. m. | Dry. 8 p. m. | Dry. (8+8)÷2 (g) | Wet. 8 a. m. | Wet. 8 p. m. | Wet. Monthly. (g) | Max. | Min. | Monthly. (g) |
|---|---|---|---|---|---|---|---|---|
| 29.4 | 32.6 | 31.0 | 28.1 | 30.5 | 29.3 | 38.2 | 24.1 | 31.2 |

| Highest. (i) | Date. (i) | Lowest. (i) | Date. (i) | Absolute range. | Greatest daily range. (i) | Date. (i) | Least daily range. (i) | Date. (i) |
|---|---|---|---|---|---|---|---|---|
| 64 | 15 | -4 | 27 | 68 | 31 | 15 | 5 | 20 |

| Dew-point. 8 a. m. | Dew-point. 8 p. m. | Dew-point. Monthly. (g) | Relative Humidity. 8 a. m. | Relative Humidity. 8 p. m. | Relative Humidity. Monthly. (g) | Vapor Pressure. 8 a. m. | Vapor Pressure. 8 p. m. | Vapor Pressure. Monthly. (g) |
|---|---|---|---|---|---|---|---|---|
| 25.6 | 27.0 | 26.3 | 84.8 | 79.3 | 82.0 | .156 | .161 | .158 |

| Number of days with—(j) Maximum. 32° or below. | Maximum. 90° or above. | Minimum. 32° or below. | Minimum. Zero or below. |
|---|---|---|---|
| 9 | 0 | 22 | 2 |

**CLOUDS.**

Most frequent clouds: St

Most frequent direction upper clouds: W

Most frequent direction lower clouds: W

## WIND.

(Wind data corrected to true velocity.)

| Total movement (mid. to mid.). | Average hourly velocity. | Prevailing direction. (p) | Maximum velocity. (r) | Direction. (r) | Date. (r) |
|---|---|---|---|---|---|
| 7083 | 9.5 | SW | 27 | SW | 15 |

| Number of Times Wind Observed from the— N. | NE. | E. | SE. | S. | SW. | W. | NW. | Calm. |
|---|---|---|---|---|---|---|---|---|
| 0 | 9 | 7 | 6 | 3 | 17 | 8 | 12 | 0 |

## WEATHER.

| Mean Cloudiness. 8 a. m. | 8 p. m. | Monthly. (t) | Sunshine. Percentage of possible. | Number of Days. Clear. | Partly cloudy. | Cloudy. | Number of Days with Precipitation (Mid. to Mid.). Clear. (u) | Partly cloudy. (u) | Cloudy. (u) |
|---|---|---|---|---|---|---|---|---|---|
| 7.7 | 6.3 | 8.1 | 23 | 1 | 7 | 23 | 0 | 0 | 10 |

## MISCELLANEOUS PHENOMENA.

DATES OF—(MIDNIGHT TO MIDNIGHT).

| Frosts. Light. | Heavy. | Killing. | Thunderstorms. (v) | Winds. (32 miles or over.) | Solar Halos. | Lunar Halos. | Fog. Light. | Fog. Dense. | Haze. Light. | Haze. Dense. | Smoke. Light. | Smoke. Dense. | Hail. | Aurora. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| - | - | - | 0 | 0 | 25 1,18,22 | 5 | 17,18,19,20,21 3,4,5,16 | 4,16,17 | 17,18,20 13,15,16, 4,5,9,10, | 0 | 12,23,28 1,2,5,8 | 0 | 0 | 0 |

## PRECIPITATION (in inches and hundredths). (m)

| Total Amount | Greatest Amount in 24 Consecutive Hours. Amt. | Date. (k) | Excessive. 2.50 Inches in 24 Hours. (l) * Amt. | Duration. h. m. | Date. (k) | 1 Inch per Hour. (l) Amt. | Duration. h. m. | Date. (k) |
|---|---|---|---|---|---|---|---|---|
| 1.14 | 0.28 | 19+20 | 0 | - | - | 0 | - | - |

| Number of Days with—(Mid. to Mid.). Trace. | .01 or more. | .04 or more. | .25 or more. | 1.00 or more. | Total. | Snow. Trace or more. | Snow. .01 or more melted. | Snow. Total Depth. (o) | Snow. Average Depth at End of Month. |
|---|---|---|---|---|---|---|---|---|---|
| 10 | 10 | 5 | 1 | 0 | 20 | 9 | 4 | 6.1 | 0 |

Recording gage exposed only small portion of month.

(w) Maximum precipitation in 5 minutes_____, date_____; 10 minutes_____, date_____; 15 minutes_____, date_____.

30 minutes_____, date_____; 1 hour_____, date_____; 2 hours_____, date_____.

## EXCESSIVE.

| Date. | Total Duration. From— | To— | Total amount of precipitation. | Excessive Rate. Began— | Ended— | Amt. before excessive began. | Accumulated Depths During Excessive Rate for Consecutive Periods of Time Indicated Below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | | | | | | |

* The duration is the time precipitation was actually recorded.

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Prepared by P. A. L. & B. B. W., B. B. Weather, Weather Bureau.

ORIGINAL MONTHLY RECORD OF OBSERVATIONS at Fort Wayne, Ind., for the Month of DEC - 1933, 193

Number of Station barometer, 656; sum of corrections, -.052 inch.

SPECIAL OBSERVATIONS.

| Date. | Time. 75th mer. | Time. Local (standard). | Barometer. Attached thermometer | Barometer. Observed reading. | Barometer. Total correction. | Barometer. Station. (Observed reading plus total cor.) | Barometer. Reduced to sea-level. | Thermometers. Dry. | Thermometers. Wet. | Dew-point. | Depression of the dew-point. | Relative humidity. | Maximum thermometer. | Wind. Direction. | Wind. Velocity.† | Wind. Max. since last observation. | Wind. Direction. | Precipitation.†† | Clouds. Amt. | Clouds. Kind. | Clouds. Dir. from. | State of Weather. | Special Phenomena. | Initials of Observer. | Date. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 10 | 1[57]P | 12[57]M | 68.0 | 29.070 | .155 | 28.915 | 29.88 | 28.5 | 28.0 | 28 | 0 | 94 | 28.5 | SE | 9 | | | .01 | 10 | St | S | H Snow | -.14 | BBW | 10 |
| 3 | 2[00]P. | 1[00]P. | | | | 28.660 | 29.58 | 46- | | | | | | | | | | | | | | | | | |
| 29 | 4[00]P. | 3[00]P. | | | | 29.860 | 30.86 | 9- | | | | | | | | | | | | | | | | | |

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If additional space is required, rule a sheet similar to this, and paste to this margin.

Wind data corrected to true velocity.

† By dial when self-register is out of order.
†† T indicates trace of precipitation.

ORIGINAL MONTHLY RECORD OF OBSERVATIONS at Fort Wayne, Ind., for the Month of DEC - 1933, 193

Wind—Number of Miles and Length of Time From. (Standard of time in local use, 90 meridian.)

| DATE. | N. | | NE. | | E. | | SE. | | S. | | SW. | | W. | | NW. | | CALM. | | TOTAL. | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Miles. | Hours. | Miles. | Hours. | Miles. | Hours. | Miles. | Hours. | Miles. | Hours. | Miles. | Hours. | Miles. | Hours. | Miles. | Hours. | Miles. | Hours. | Miles. | Hours. |
| 1 | | | 35 | 5 | 37 | 6 | 26 | 4 | | | | | | | 40 | 9 | | | 138 | 24 |
| 2 | | | | | 35 | 4 | 127 | 19 | 9 | 1 | | | | | | | | | 171 | 24 |
| 3 | | | | | | | 20 | 2 | 57 | 5 | 136 | 16 | 9 | 1 | | | | | 222 | 24 |
| 4 | | | | | | | 19 | 2 | 63 | 7 | 96 | 9 | 53 | 6 | | | | | 231 | 24 |
| 5 | 46 | 6 | 6 | 1 | | | | | 27 | 3 | 50 | 7 | | | 65 | 7 | | | 194 | 24 |
| 6 | 31 | 4 | | | | | | | | | 17 | 2 | 8 | 1 | 154 | 17 | | | 210 | 24 |
| 7 | | | | | | | | | 12 | 2 | 256 | 22 | | | | | | | 268 | 24 |
| 8 | 108 | 10 | 8 | 1 | | | | | | | 52 | 8 | | | 55 | 5 | | | 223 | 24 |
| 9 | 24 | 4 | 25 | 5 | 16 | 3 | | | 23 | 3 | 56 | 9 | | | | | | | 144 | 24 |
| 10 | | | | | | | 108 | 11 | 45 | 5 | 33 | 4 | | | 77 | 4 | | | 263 | 24 |
| 11 | 9 | 1 | | | | | | | | | | | 27 | 5 | 225 | 18 | | | 261 | 24 |
| 12 | | | | | 4 | 1 | 32 | 5 | | | 18 | 3 | 25 | 5 | 43 | 10 | | | 122 | 24 |
| 13 | | | 108 | 13 | 63 | 8 | 22 | 3 | | | | | | | | | | | 193 | 24 |
| 14 | | | 52 | 6 | 203 | 16 | 21 | 2 | | | | | | | | | | | 276 | 24 |
| 15 | | | | | | | 23 | 2 | 98 | 7 | 79 | 4 | 108 | 8 | 29 | 3 | | | 337 | 24 |
| 16 | | | 63 | 8 | 15 | 2 | | | 13 | 2 | | | 65 | 11 | 8 | 1 | | | 164 | 24 |
| 17 | | | 23 | 3 | 66 | 10 | 7 | 1 | | | | | 58 | 4 | 83 | 6 | | | 237 | 24 |
| 18 | 15 | 2 | 11 | 2 | 80 | 13 | 9 | 1 | 7 | 1 | | | | | 46 | 5 | | | 168 | 24 |
| 19 | | | 170 | 18 | 37 | 6 | | | | | | | | | | | | | 207 | 24 |
| 20 | | | 20 | 2 | 28 | 6 | | | | | 58 | 5 | 174 | 11 | | | | | 280 | 24 |
| 21 | | | | | | | | | | | 109 | 10 | 97 | 8 | 66 | 6 | | | 272 | 24 |
| 22 | | | | | | | | | | | 55 | 5 | 139 | 19 | | | | | 194 | 24 |
| 23 | | | | | | | | | 74 | 6 | 93 | 7 | 53 | 11 | | | | | 220 | 24 |
| 24 | | | | | | | | | 9 | 1 | 90 | 9 | 41 | 3 | 178 | 11 | | | 318 | 24 |
| 25 | 6 | 1 | 32 | 4 | 41 | 5 | | | | | | | 67 | 7 | 71 | 7 | | | 217 | 24 |
| 26 | | | 70 | 8 | 5 | 1 | | | | | | | 82 | 6 | 129 | 9 | | | 286 | 24 |
| 27 | | | | | | | | | 14 | 2 | 65 | 8 | 146 | 14 | | | | | 225 | 24 |
| 28 | 18 | 2 | 27 | 3 | | | | | | | 35 | 5 | 89 | 9 | 52 | 5 | | | 221 | 24 |
| 29 | | | 44 | 5 | 177 | 19 | | | | | | | | | | | | | 221 | 24 |
| 30 | | | | | 16 | 2 | 33 | 4 | 22 | 2 | 249 | 16 | | | | | | | 320 | 24 |
| 31 | | | | | | | | | 133 | 11 | 147 | 13 | | | | | | | 280 | 24 |
| Sum, | 257 | 30 | 694 | 84 | 823 | 102 | 447 | 56 | 606 | 58 | 1694 | 162 | 1241 | 129 | 1321 | 123 | 0 | 0 | 7083 | 744 |
| Percentage, | 4 | 4 | 10 | 11 | 12 | 14 | 6 | 7 | 8 | 8 | 24 | 22 | 17 | 17 | 19 | 17 | 0 | 0 | a | a |
| Avg. Hourly Velocity, | 8.6 | a | 8.3 | a | 8.1 | a | 8.0 | a | 10.4 | a | 10.5 | a | 9.6 | a | 10.7 | a | 0 | a | 9.5 | a |

Wind data corrected to true velocity.

Form No. 1002—Met'l.

U. S. Department of Agriculture,
WEATHER BUREAU.

# ANNUAL METEOROLOGICAL SUMMARY

FOR

1933

STATION

*Fort Wayne, Ind.*

LOCATION OF OFFICE DECEMBER 31, 1933

*Street,* South Harrison

*Number,* 1300 block

*Room,* Federal Bldg. 359, 361, 363, 365, 367

SUM OF BAROMETER CORRECTIONS.

*From* 7.00 *m. Jan. to* 7.00 *m. Dec. inc.,* .052 *in.*

*From* ____ *m.* ____ *to* ____ *m.* ____, *inc.,* ____ *in.*

*From* ____ *m.* ____ *to* ____ *m.* ____, *inc.,* ____ *in.*

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NOON, LOCAL MEAN TIME, OBSERVATION.

AVERAGES.

| Month. | Temperature. Dry. (d) | Temperature. Wet (d) | Dew-Point. (e) | Relative Humidity. (e) | Vapor Pressure. (c) | Clouds. Amount. (d) | Clouds. Most Frequent Kind, Upper. | Clouds. Most Frequent Kind, Lower. | Clouds. Most Frequent Direction of Upper. | Clouds. Most Frequent Direction of Lower. |
|---|---|---|---|---|---|---|---|---|---|---|
| Jan., | 37.9 | 34.1 | 28 | 69 | .159 | 7.0 | Ci St | St Cu | W | S W |
| Feb., | 31.7 | 27.1 | 18 | 57 | .110 | 5.0 | Ci St | St Cu | W | W |
| Mar., | 38.4 | 34.4 | 28 | 67 | .167 | 8.4 | Ac Cu Ci Ci St | St Cu | W | NW |
| Apr., | 52.5 | 45.6 | 38 | 62 | .243 | 7.0 | Ac Cu | St Cu | W | W NE |
| May, | 65.7 | 57.5 | 52 | 63 | .398 | 7.1 | Ac Cu | Cu | W | W |
| June, | 83.7 | 66.3 | 56 | 40 | .475 | 3.4 | Ac Cu | Cu | W | W NW |
| July, | 82.6 | 66.1 | 56 | 43 | 468 | 4.6 | Ac Cu | Cu | W | W |
| Aug., | 77.9 | 64.7 | 57 | 50 | 473 | 5.4 | Ci St Ac Cu | Cu | W | W |
| Sept., | 74.6 | 64.7 | 59 | 61 | .513 | 5.3 | Ac Cu | Cu St Cu | W | S W |
| Oct., | 56.6 | 48.2 | 40 | 54 | .262 | 4.9 | Ci Ac Cu | Cu | W | S, SW W, SW |
| Nov., | 40.6 | 36.2 | 30 | 68 | .181 | 7.0 | Ac Cu | St St Cu | W | W |
| Dec., | 34.1 | 31.7 | 28 | 77 | .170 | 8.4 | Ci St | St | W | W |
| Sum, | 676.3 | 576.6 | 490 | 711 | 3.619 | 73.5 | Ac Cu | Cu St Cu | W | W |
| Mean, | 56.4 | 48.0 | 41 | 59 | .302 | 6.1 | - | - | - | - |

(d) To tenths. (e) To whole numbers. (c) To thousandths.

# ANNUAL METEOROLOGICAL SUMMARY FOR 193 .—STATION Fort Wayne, Ind.

Latitude N. 41° 05' Longitude W. 85° 10' Local time 0 h. 41 min. (t) slower than 75th meridian normal time.

| MONTH. | STATION PRESSURE. (Corrected for temperature, instrumental error, gravity, and removal.) Station Elevation of Barometer Cistern Above Mean Sea Level, 857 Feet. | | | | | | | | CORRECTED MONTHLY SEA-LEVEL PRESSURE. | TEMPERATURE. Elevation of Dry Thermometer Bulb Above Ground on Dec. 31, 69 Feet. | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Mean. | | | Highest observed. | Date. | Lowest observed. | Date. | Absolute range. | | Mean. | | From Self-Registering Instruments. | | | | | | | | |
| | | | | | | | | | | | | Mean. | | | Highest. | Date. | Lowest. | Date. | Range. | | Mean daily change. |
| | 8 a. m. | 8 p. m. | Corrected monthly. | | | | | | | 8 a. m. | 8 p. m. | Max. | Min. | Monthly. | | | | | Absolute. | Mean daily. | |
| | (c) | (c) | (c) | (c) | | (c) | | (c) | (c) | (d) | (d) | (d) | (d) | (d) | (e) | | (e) | | (e) | (d) | (d) |
| | In. | In. | In. | In. | | In. | | In. | In. | ° | ° | ° | ° | ° | ° | | ° | | ° | ° | ° |
| Jan., | 29.061 | 29.051 | 29.051 | 29.562 | 1 | 28.400 | 22 | 1.162 | 29.995 | 33.3 | 37.0 | 43.6 | 28.7 | 36.2 | 62 | 22 | 16 | 12 | 46 | 14.9 | 5.0 |
| Feb., | 29.122 | 29.095 | 29.103 | 29.640 | 9 | 28.350 | 7 | 1.290 | 30.061 | 24.5 | 30.1 | 36.5 | 19.6 | 28.0 | 58 | 22 | -14 | 9 | 72 | 16.9 | 7.1 |
| Mar., | 29.086 | 29.060 | 29.068 | 29.596 | 5 | 28.362 | 13 | 1.234 | 30.015 | 31.6 | 37.8 | 41.8 | 29.4 | 35.6 | 60 | 13 | 10 | 10 | 50 | 12.4 | 6.4 |
| Apr., | 28.993 | 28.972 | 28.977 | 29.370 | 22 | 28.490 | 6 | 0.880 | 29.908 | 43.7 | 51.9 | 57.5 | 40.3 | 48.9 | 79 | 29 | 32 | 7 | 47 | 17.1 | 5.6 |
| May, | 29.015 | 29.003 | 29.004 | 29.284 | 18 | 28.630 | 2 | 0.658 | 29.921 | 58.3 | 64.5 | 69.4 | 53.5 | 61.4 | 84 | 23 | 36 | 4 | 48 | 15.9 | 4.5 |
| June, | 29.102 | 29.036 | 29.065 | 29.370 | 14 | 28.850 | 30 | 0.520 | 29.968 | 69.9 | 82.0 | 87.8 | 64.2 | 76.0 | 97 | 7 | 44 | 14 | 53 | 23.6 | 3.9 |
| July, | 29.139 | 29.087 | 29.110 | 29.500 | 4 | 28.870 | 14 | 0.630 | 30.016 | 69.4 | 80.6 | 86.0 | 64.8 | 75.4 | 98 | 23 | 55 | 17 | 43 | 21.2 | 3.4 |
| Aug., | 29.128 | 29.080 | 29.100 | 29.340 | 6 | 28.812 | 12 | 0.528 | 30.012 | 65.1 | 75.3 | 81.3 | 60.4 | 70.8 | 88 | 25 | 53 | 19 | 35 | 20.9 | 3.0 |
| Sept., | 29.055 | 29.006 | 29.025 | 29.220 | 5 | 28.752 | 19 | 0.468 | 29.939 | 62.6 | 71.3 | 78.1 | 59.9 | 69.0 | 95 | 9 | 48 | 28 | 47 | 18.2 | 4.0 |
| Oct., | 29.195 | 29.163 | 29.173 | 29.520 | 2 | 28.680 | 7 | 0.840 | 30.108 | 45.2 | 53.2 | 59.9 | 42.0 | 51.0 | 78 | 31 | 31 | 25 | 47 | 17.9 | 6.1 |
| Nov., | 29.084 | 29.082 | 29.076 | 29.590 | 16 | 28.470 | 14 | 1.120 | 30.021 | 33.9 | 39.2 | 45.4 | 29.9 | 37.6 | 77 | 1 | 10 | 15 | 67 | 15.5 | 5.4 |
| Dec., | 29.175 | 29.159 | 29.161 | 29.860 a | 29 a | 28.660 a | 3 a | 1.200 a | 30.116 | 29.4 | 32.6 | 38.2 | 24.1 | 31.2 | 64 a | 15 a | -4 a | 27 a | 68 a | 14.1 | 8.1 |
| Sum, | 349.155 | 348.794 | 348.913 | Highest. | Date. Dec. | Lowest. | Date. Feb. | Absolute range for year. | 360.080 | 566.9 | 655.5 | 725.5 | 516.8 | 621.1 | Max. | Date. July | Min. | Date. Feb | Absolute range for year. | 208.6 | 62.5 |
| Mean, | 29.096 | 29.066 | 29.076 | 29.860 | 29 | 28.350 | 7 | 1.510 | 30.007 | 47.2 | 54.6 | 60.5 | 43.1 | 51.8 | 98 | 23 | -14 | 9 | 112 | 17.4 | 5.2 |

a Omit data from this space. c To thousandths. d To tenths. e To whole numbers. t Enter the word "faster" or "slower," as the case may be.

| MONTH. | TEMPERATURE. | | | DEW-POINT. | | | RELATIVE HUMIDITY (Percentage). | | | VAPOR PRESSURE. | | | PRECIPITATION. (Amount in inches and hundredths.) ELEVATION OF TOP OF GAGE ABOVE GROUND DEC. 31, 63 FEET. | | | | | | | | | SNOWFALL (total depth). |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | NUMBER OF DAYS. | | | MEAN. | | | MEAN. | | | MEAN. | | | TOTAL AMOUNT. | GREATEST AMOUNT IN ANY 24 CONSECUTIVE HOURS. | | EXCESSIVE. | | | | | | |
| | | | | | | | | | | | | | | | | 2.50 inches in 24 hours. (g) (h) | | | 1 inch per hour. (g) | | | |
| | Max. 32° or below. | Max. 90° or above. | Min. 32° or below. | 8 a. m. (e) | 8 p. m. (e) | Monthly. (e) | 8 a. m. (e) | 8 p. m. (e) | Monthly. (e) | 8 a. m. (c) | 8 p. m. (c) | Monthly. (c) | | Amt. | Date. | Amt. | Duration (h. & m.) | Date. | Amt. | Duration (h. & m.) | Date. | |
| | | | | ° | ° | ° | % | % | % | In. | In. | In. | In. | In. | | In. | | | In. | | | In. |
| Jan., | 3 | 0 | 25 | 29 | 29 | 29 | 82 | 72 | 77 | .164 | .163 | .164 | 1.83 | 1.06 | 18-19 | — | — | — | — | — | — | 0.7 |
| Feb., | 8 | 0 | 22 | 18 | 20 | 19 | 74 | 65 | 69 | .112 | .119 | .116 | 1.68 | 0.84 | 6-7 | — | — | — | — | — | — | 2.1 |
| Mar., | 4 | 0 | 25 | 27 | 29 | 28 | 82 | 70 | 76 | .154 | .172 | .163 | 4.00 | 1.49 | 13-14 | — | — | — | — | — | — | 4.8 |
| Apr., | 0 | 0 | 2 | 37 | 39 | 38 | 78 | 64 | 71 | .226 | .248 | .237 | 2.97 | 1.22 ~~1.19~~ | Apr 30 May 1 ~~Apr 6~~ | — | — | — | — | — | — | 0.1 |
| May, | 0 | 0 | 0 | 52 | 53 | 53 | 80 | 69 | 74 | .401 | .420 | .410 | 7.06 | 1.20 ~~1.22~~ | ~~1 to 10~~ ~~1 only~~ 10 & 11 | — | — | — | — | — | — | 0 |
| June, | 0 | 14 | 0 | 58 | 58 | 58 | 68 | 45 | 56 | .515 | .502 | .508 | 0.50 | 0.29 | 25&26 | — | — | — | — | — | — | 0 |
| July, | 0 | 9 | 0 | 60 | 57 | 58 | 72 | 47 | 60 | .523 | .485 | .504 | 3.39 | 1.98 | 2 | — | — | — | — | — | — | 0 |
| Aug., | 0 | 0 | 0 | 58 | 56 | 57 | 78 | 53 | 65 | .489 | .464 | .476 | 2.43 | 0.99 | 9&10 | — | — | — | — | — | — | 0 |
| Sept., | 0 | 4 | 0 | 57 | 60 | 59 | 84 | 69 | 77 | .484 | .531 | .508 | 7.44 | 1.85 | 26&27 | — | — | — | — | — | — | 0 |
| Oct., | 0 | 0 | 2 | 39 | 41 | 40 | 80 | 64 | 72 | .251 | .273 | .262 | 1.58 | 0.79 | 21-22 | — | — | — | — | — | — | 0 |
| Nov., | 3 | 0 | 19 | 29 | 31 | 30 | 80 | 72 | 76 | .167 | .182 | .174 | 1.17 | 0.31 | 14-15 | — | — | — | — | — | — | 6.8 |
| Dec., | 9 | 0 | 22 | 26 | 27 | 26 | 85 | 79 | 82 | .156 | .161 | .158 | 1.14 | 0.28 | 19 & 20 | — | — | — | — | — | — | 6.1 |
| Sum, | 27 | 27 | 117 | 490 | 500 | 495 | 943 | 769 | 855 | 3.642 | 3.720 | 3.680 | 35.19 | a | a | a | a | a | a | a | a | 20.6 |
| Mean, | a | a | a | 41 | 42 | 41 | 79 | 64 | 71 | .304 | .310 | .307 | a | 1.98 | July 2 | a | a | a | a | a | a | a |

g No entry unless the precipitation actually equaled or exceeded 2.50 inches in 24 consecutive hours, or 1 inch per hour, as the case may be. h The duration is the time precipitation was actually recorded.

**Station** *Fort Wayne, Ind.*

| MONTH. | MEAN CLOUDINESS. (0 to 10). 8 a. m. (d) | 8 p. m. (d) | Monthly. (d) | HOURS OF SUNSHINE. Total. | Possible. | Percentage. | WIND. Elevation of Anemometer Cups Above Ground Dec. 31, 84 Feet. Total Movement in Miles. | Prevailing Direction. | Maximum Hourly Velocity During Month. Miles. | From. | Date. | No. of Days With 32 Miles and Over. | Direction. Number of Times Observed Blowing from the— N. | NE. | E. | SE. | S. | SW. | W. | NW. | No. of Calms. | NUMBER OF DAYS. Clear.* | Partly Cloudy.* | Cloudy.* | Precipitation. .01 inch and over. | .04 inch and over. | Snow, trace and over. | Snow, .01 inch and over. | Hail. | Light Fog. | Dense Fog. | Thunderstorms. | Auroras. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Jan., | 6.9 | 6.5 | 7.1 | 125.6 | 298.2 | 42 | 8122 | S | 35 | W | 19 | 2 | 1 | 2 | 4 | 4 | 20 | 10 | 12 | 9 | 0 | 7 | 6 | 18 | 7 | 6 | 4 | 2 | 0 | 9 | 3 | 0 | 0 |
| Feb., | 5.2 | 4.2 | 5.0 | 204.4 | 298.2 | 69 | 8145 | W | 33 | W | 21 | 2 | 3 | 2 | 2 | 3 | 8 | 12 | 15 | 10 | 1 | 13 | 5 | 10 | 8 | 7 | 7 | 3 | 0 | 3 | 1 | 0 | 0 |
| Mar., | 7.7 | 7.8 | 8.2 | 128.3 | 370.8 | 35 | 7956 | NW | 35 | NW | 8 | 1 | 5 | 8 | 4 | 8 | 7 | 4 | 6 | 19 | 1 | 0 | 12 | 19 | 11 | 8 | 11 | 4 | 1 | 6 | 2 | 2 | 0 |
| Apr., | 6.9 | 7.0 | 7.0 | 196.2 | 399.9 | 49 | 7358 | NE | 30 | S | 30 | 0 | 2 | 13 | 7 | 3 | 8 | 4 | 11 | 12 | 0 | 5 | 8 | 17 | 16 | 11 | 3 | 1 | 1 | 3 | 0 | 2 | 0 |
| May, | 6.8 | 6.5 | 7.1 | 220.5 | 449.0 | 49 | 6583 | NE | 28 | SW | 13 | 0 | 3 | 10 | 8 | 7 | 12 | 9 | 9 | 4 | 0 | 4 | 11 | 16 | 16 | 12 | 0 | 0 | 0 | 3 | 2 | 7 | 0 |
| June, | 3.7 | 3.3 | 3.6 | 365.8 | 452.0 | 81 | 5741 | SW | 28 | NW | 25 | 0 | 5 | 9 | 4 | 3 | 4 | 17 | 12 | 5 | 1 | 15 | 11 | 4 | 6 | 3 | 0 | 0 | 0 | 0 | 0 | 7 | 0 |
| July, | 3.8 | 3.8 | 4.3 | 355.2 | 458.3 | 78 | 5413 | NE | 21 | NE | 2 | 0 | 3 | 18 | 8 | 3 | 4 | 12 | 6 | 8 | 0 | 14 | 13 | 4 | 6 | 6 | 0 | 0 | 0 | 0 | 0 | 4 | 0 |
| Aug., | 3.8 | 3.5 | 4.6 | 317.3 | 426.9 | 74 | 5384 | NE | 21 | SW | 11 | 0 | 6 | 24 | 5 | 2 | 3 | 12 | 3 | 7 | 0 | 12 | 13 | 6 | 9 | 8 | 0 | 0 | 0 | 1 | 0 | 5 | 0 |
| Sept., | 5.5 | 5.2 | 5.5 | 196.2 | 374.0 | 52 | 5962 | SW | 25 | W | 17 | 0 | 3 | 9 | 5 | 7 | 8 | 13 | 4 | 10 | 1 | 10 | 9 | 11 | 15 | 12 | 0 | 0 | 0 | 4 | 0 | 8 | 0 |
| Oct., | 4.7 | 3.6 | 4.7 | 206.2 | 344.1 | 60 | 6366 | W | 30 | NW | 24 | 0 | 5 | 8 | 4 | 4 | 13 | 7 | 11 | 9 | 1 | 10 | 15 | 6 | 8 | 6 | 0 | 0 | 0 | 9 | 2 | 1 | 0 |
| Nov., | 7.3 | 7.1 | 7.1 | 90.0 | 297.0 | 30 | 8221 | W | 30 | SW | 12 | 0 | 2 | 4 | 1 | 1 | 6 | 15 | 22 | 9 | 0 | 5 | 7 | 18 | 15 | 9 | 8 | 6 | 0 | 3 | 0 | 1 | 0 |
| Dec., | 7.7 | 6.3 | 8.1 | 66.7 | 287.3 | 23 | 7083 | SW | 27 | SW | 15 | 0 | 0 | 9 | 7 | 6 | 3 | 17 | 8 | 12 | 0 | 1 | 7 | 23 | 10 | 5 | 9 | 4 | 0 | 9 | 3 | 0 | 0 |
| Sum, | 70.0 | 64.8 | 72.3 | 2472.4 | 4455.7 | 642 | 82334 | a | a | a | a | 5 | 38 | 116 | 59 | 51 | 96 | 132 | 119 | 114 | 5 | 96 | 117 | 152 | 127 | 93 | 42 | 20 | 2 | 50 | 13 | 37 | 0 |
| Mean, | 5.8 | 5.4 | 6.0 | 206.0 | 371.3 | 5.4 | a | W | 35 | NW | 8 | a | a | a | a | a | a | a | a | a | a | a | a | a | a | a | a | a | a | a | a | a | a |

Wind data corrected to true velocity. j One entry only. * From sunrise to sunset.

**Standard of normal time in local use, ....90.... meridian.**

| MONTH. | WIND. Mean Hourly Velocity. | | | | | | | | | | | | | | | | | | | | | | | | For the Month. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 1 a. m. | 2 a. m. | 3 a. m. | 4 a. m. | 5 a. m. | 6 a. m. | 7 a. m. | 8 a. m. | 9 a. m. | 10 a. m. | 11 a. m. | 12 Noon. | 1 p. m. | 2 p. m. | 3 p. m. | 4 p. m. | 5 p. m. | 6 p. m. | 7 p. m. | 8 p. m. | 9 p. m. | 10 p. m. | 11 p. m. | 12 Mid't. | |
| Jan., | 9.4 | 9.5 | 9.5 | 9.2 | 9.4 | 9.7 | 9.6 | 10.1 | 11.6 | 12.3 | 12.8 | 12.9 | 13.1 | 13.0 | 12.8 | 12.1 | 11.1 | 10.9 | 11.2 | 10.6 | 10.5 | 10.7 | 10.4 | 9.9 | 10.9 |
| Feb., | 12.0 | 11.5 | 11.0 | 10.8 | 10.1 | 10.2 | 10.8 | 11.6 | 12.7 | 12.9 | 13.6 | 13.9 | 14.4 | 14.4 | 14.6 | 13.9 | 13.0 | 11.4 | 10.6 | 11.2 | 11.0 | 11.7 | 11.8 | 11.6 | 12.1 |
| Mar., | 9.8 | 9.7 | 10.0 | 10.1 | 10.1 | 9.4 | 9.8 | 10.5 | 11.1 | 11.4 | 11.8 | 11.9 | 12.2 | 12.3 | 12.4 | 12.1 | 11.4 | 10.7 | 10.2 | 10.2 | 10.0 | 10.0 | 9.8 | 10.0 | 10.7 |
| Apr., | 8.3 | 8.2 | 8.2 | 8.6 | 8.5 | 8.7 | 9.7 | 10.6 | 10.9 | 11.4 | 11.7 | 12.5 | 13.1 | 13.3 | 13.3 | 13.1 | 12.5 | 10.9 | 9.3 | 8.8 | 8.5 | 8.6 | 8.3 | 8.2 | 10.2 |
| May, | 7.4 | 7.1 | 7.0 | 6.7 | 7.4 | 8.2 | 8.6 | 9.7 | 10.2 | 10.5 | 11.1 | 10.8 | 10.8 | 11.0 | 10.8 | 10.6 | 10.5 | 9.3 | 8.0 | 7.5 | 7.5 | 7.5 | 7.1 | 7.1 | 8.8 |
| June, | 5.9 | 6.0 | 6.3 | 6.2 | 6.1 | 6.9 | 7.6 | 8.8 | 9.5 | 9.8 | 9.8 | 9.4 | 9.9 | 10.4 | 10.6 | 9.9 | 10.0 | 9.1 | 7.1 | 6.1 | 6.2 | 6.8 | 6.6 | 6.3 | 8.0 |
| July, | 5.6 | 5.8 | 5.7 | 5.8 | 5.7 | 5.7 | 6.6 | 7.3 | 7.7 | 8.5 | 9.0 | 9.3 | 9.3 | 9.3 | 9.5 | 9.3 | 9.3 | 8.5 | 6.9 | 6.1 | 5.5 | 5.9 | 6.2 | 5.8 | 7.3 |
| Aug., | 5.5 | 5.6 | 5.8 | 5.5 | 5.5 | 5.6 | 6.2 | 7.5 | 8.1 | 8.8 | 9.5 | 9.2 | 9.4 | 9.2 | 9.5 | 9.4 | 9.3 | 8.0 | 6.9 | 6.2 | 6.1 | 5.7 | 5.7 | 5.5 | 7.2 |
| Sept., | 6.8 | 6.9 | 6.6 | 7.1 | 7.0 | 6.8 | 7.1 | 8.3 | 9.0 | 9.5 | 9.9 | 10.3 | 10.5 | 10.9 | 10.7 | 10.2 | 9.0 | 8.1 | 7.5 | 7.6 | 7.5 | 7.4 | 7.0 | 7.0 | 8.3 |
| Oct., | 7.2 | 7.1 | 6.9 | 6.7 | 6.8 | 6.8 | 7.6 | 8.5 | 10.1 | 10.9 | 11.4 | 11.2 | 11.1 | 11.3 | 11.5 | 10.9 | 8.9 | 7.6 | 7.4 | 7.1 | 7.3 | 7.2 | 7.0 | 6.9 | 8.6 |
| Nov., | 10.2 | 9.8 | 9.3 | 10.1 | 10.0 | 10.2 | 10.5 | 11.1 | 12.3 | 12.5 | 13.3 | 13.1 | 13.8 | 13.6 | 13.6 | 13.0 | 11.5 | 11.1 | 10.9 | 11.4 | 11.0 | 10.7 | 11.0 | 10.5 | 11.4 |
| Dec., | 9.0 | 8.9 | 8.5 | 8.8 | 8.6 | 8.4 | 8.2 | 8.1 | 9.2 | 9.9 | 10.0 | 10.4 | 10.5 | 10.7 | 10.7 | 10.7 | 10.0 | 9.5 | 9.7 | 9.9 | 10.3 | 9.7 | 9.5 | 9.3 | 9.5 |
| Sum, | 97.1 | 96.1 | 94.8 | 95.6 | 95.2 | 96.6 | 102.3 | 112.1 | 122.4 | 128.4 | 133.9 | 134.9 | 138.1 | 139.4 | 140.0 | 135.2 | 126.5 | 115.1 | 105.7 | 102.7 | 101.4 | 101.9 | 100.4 | 98.1 | 113.0 |
| Mean, | 8.1 | 8.0 | 7.9 | 8.0 | 7.9 | 8.0 | 8.5 | 9.3 | 10.2 | 10.7 | 11.2 | 11.2 | 11.5 | 11.6 | 11.7 | 11.3 | 10.5 | 9.6 | 8.8 | 8.6 | 8.4 | 8.5 | 8.4 | 8.2 | 9.4 |

Wind data corrected to true velocity.

**Station** ..... *Fort Wayne, Ind.* ..... **Standard of normal time in local use,** ..... *90* ..... **meridian.**

| MONTH. | MEAN HOURLY ATMOSPHERIC TEMPERATURE.—(By Richards' Thermograph.) | | | | | | | | | | | | | | | | | | | | | | | | FOR THE MONTH. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 1 a. m. | 2 a. m. | 3 a. m. | 4 a. m. | 5 a. m. | 6 a. m. | 7 a. m. | 8 a. m. | 9 a. m. | 10 a. m. | 11 a. m. | 12 Noon. | 1 p. m. | 2 p. m. | 3 p. m. | 4 p. m. | 5 p. m. | 6 p. m. | 7 p. m. | 8 p. m. | 9 p. m. | 10 p. m. | 11 p. m. | 12 Mid't. | |
| Jan., | | | | | | | | | | | | | | | | | | | | | | | | | |
| Feb., | | | | | | | | | | | | | | | | | | | | | | | | | |
| Mar., | | | | | | | | | | | | | | | | | | | | | | | | | |
| Apr., | | | | | | | | | | | | | | | | | | | | | | | | | |
| May, | | | | | | | | | | | | | | | | | | | | | | | | | |
| June, | | | | | | | | | | | | | | | | | | | | | | | | | |
| July, | | | | | | | | | | | | | | | | | | | | | | | | | |
| Aug., | | | | | | | | | | | | | | | | | | | | | | | | | |
| Sept., | | | | | | | | | | | | | | | | | | | | | | | | | |
| Oct., | | | | | | | | | | | | | | | | | | | | | | | | | |
| Nov., | | | | | | | | | | | | | | | | | | | | | | | | | |
| Dec., | | | | | | | | | | | | | | | | | | | | | | | | | |
| Sum, | | | | | | | | | | | | | | | | | | | | | | | | | |
| Mean, | | | | | | | | | | | | | | | | | | | | | | | | | |

*Prepared by* ..... *B B W Kittredge* .....

8—272



*Weather Bureau.*

## Standard of normal time in local use, 90 meridian.

| MONTH. | WIND—NUMBER OF MILES AND LENGTH OF TIME FROM— | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | N. | | NE. | | E. | | SE. | | S. | | SW. | | W. | | NW. | | Calm. | | Total. | |
| | Miles. | Hours. | Miles. | Hours. | Miles. | Hours. | Miles. | Hours. | Miles. | Hours. | Miles. | Hours. | Miles. | Hours. | Miles. | Hours. | Miles. | Hours. | Miles. | Hours. |
| January, | 102 | 11 | 248 | 30 | 320 | 38 | 309 | 33 | 2319 | 217 | 2314 | 177 | 1602 | 130 | 908 | 108 | 0 | 0 | 8122 | 744 |
| February, | 110 | 17 | 164 | 35 | 270 | 34 | 256 | 26 | 1175 | 92 | 1767 | 136 | 2909 | 207 | 1491 | 122 | 3 | 3 | 8145 | 672 |
| March, | 475 | 62 | 906 | 87 | 547 | 66 | 599 | 67 | 622 | 64 | 897 | 77 | 1397 | 101 | 2513 | 220 | 0 | 0 | 7956 | 744 |
| April, | 266 | 32 | 1537 | 153 | 577 | 71 | 674 | 67 | 1068 | 86 | 956 | 95 | 1451 | 125 | 829 | 91 | 0 | 0 | 7358 | 720 |
| May, | 308 | 40 | 1042 | 131 | 666 | 80 | 741 | 87 | 1198 | 119 | 1228 | 123 | 868 | 96 | 529 | 65 | 3 | 3 | 6583 | 744 |
| June, | 550 | 75 | 388 | 69 | 362 | 50 | 319 | 47 | 384 | 54 | 1569 | 177 | 1266 | 140 | 901 | 106 | 2 | 2 | 5741 | 720 |
| July, | 159 | 33 | 1332 | 166 | 743 | 119 | 271 | 44 | 473 | 72 | 947 | 107 | 837 | 102 | 642 | 92 | 9 | 9 | 5413 | 744 |
| August, | 499 | 84 | 1588 | 239 | 538 | 77 | 212 | 33 | 445 | 55 | 931 | 160 | 453 | 61 | 712 | 89 | 6 | 6 | 5384 | 744 |
| September, | 193 | 34 | 1012 | 114 | 315 | 50 | 490 | 74 | 1095 | 116 | 1239 | 137 | 798 | 85 | 816 | 106 | 4 | 4 | 5962 | 720 |
| October, | 505 | 79 | 401 | 69 | 329 | 48 | 513 | 57 | 1365 | 137 | 882 | 88 | 1322 | 148 | 1043 | 112 | 6 | 6 | 6366 | 744 |
| November, | 79 | 10 | 712 | 64 | 164 | 23 | 102 | 16 | 1008 | 91 | 1763 | 143 | 3005 | 257 | 1387 | 115 | 1 | 1 | 8221 | 720 |
| December, | 257 | 30 | 694 | 84 | 823 | 102 | 447 | 56 | 606 | 58 | 1694 | 162 | 1241 | 129 | 1321 | 123 | 0 | 0 | 7083 | 744 |
| Sum, | 3503 | 507 | 10024 | 1241 | 5654 | 758 | 4933 | 607 | 11758 | 1161 | 16187 | 1522 | 17149 | 1581 | 13092 | 1349 | 34 | 34 | 82334 | 8760 |
| Percentage, | 4 | 6 | 12 | 14 | 7 | 9 | 6 | 7 | 14 | 13 | 20 | 17 | 21 | 18 | 16 | 16 | 0 | 0 | 100 | 100 |
| Average hourly velocity, | 6.9 | a | 8.1 | a | 7.5 | a | 8.1 | a | 10.1 | a | 10.6 | a | 10.8 | a | 9.7 | a | 1.0 | a | 9.4 | a |

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Wind data corrected to true velocity.

STATION Fort Wayne, Ind.

VISIBILITY, NUMBER OF DAYS (WHOLE NUMBERS).

| MONTH. | 7 30 A. M., 90 TH MERIDIAN TIME. | | | | | | | | | | NOON LOCAL MEAN TIME. | | | | | | | | | | 7 30 P. M., 90 TH MERIDIAN TIME. | | | | | | | | | | REMARKS. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | |
| | 0–50 meters (0–55 yards) | 50–200 meters (55–220 yards) | 200–500 meters (220–550 yards) | 500–1,000 meters (550–1,100 yards) | 1,000–2,000 meters (1,100 yards.–1 ¼ miles) | 2,000–4,000 meters (1 ¼–2 ½ miles) | 4,000–10,000 meters (2 ½–6 ¼ miles) | 10,000–20,000 meters (6 ¼–12 ½ miles) | 20,000–50,000 meters (12 ½–31 miles) | Over 50,000 meters (Over 31 miles) | 0–50 meters (0–55 yards) | 50–200 meters (55–220 yards) | 200–500 meters (220–550 yards) | 500–1,000 meters (550–1,100 yards) | 1,000–2,000 meters (1,100 yards.–1 ¼ miles) | 2,000–4,000 meters (1 ¼–2 ½ miles) | 4,000–10,000 meters (2 ½–6 ¼ miles) | 10,000–20,000 meters (6 ¼–12 ½ miles) | 20,000–50,000 meters (12 ½–31 miles) | Over 50,000 meters (Over 31 miles) | 0–50 meters (0–55 yards) | 50–200 meters (55–220 yards) | 200–500 meters (220–550 yards) | 500–1,000 meters (550–1,100 yards) | 1,000–2,000 meters (1,100 yards.–1 ¼ miles) | 2,000–4,000 meters (1 ¼–2 ½ miles) | 4,000–10,000 meters (2 ½–6 ¼ miles) | 10,000–20,000 meters (6 ¼–12 ½ miles) | 20,000–50,000 meters (12 ½–31 miles) | Over 50,000 meters (Over 31 miles) | |
| Jan., | 0 | 1 | 0 | 1 | 2 | 8 | 17 | 2 | 0 | 0 | 0 | 0 | 0 | 1 | 3 | 3 | 18 | 6 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 2 | 22 | 5 | 0 | 0 | |
| Feb., | 0 | 0 | 1 | 0 | 5 | 4 | 11 | 6 | 1 | 0 | 0 | 0 | 1 | 1 | 0 | 1 | 12 | 8 | 4 | 1 | 0 | 0 | 0 | 0 | 0 | 5 | 13 | 8 | 1 | 1 | |
| Mar., | 0 | 1 | 1 | 0 | 4 | 9 | 10 | 6 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 4 | 11 | 8 | 4 | 0 | 0 | 0 | 0 | 1 | 2 | 3 | 15 | 8 | 2 | 0 | |
| Apr., | 0 | 0 | 0 | 0 | 3 | 4 | 19 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 12 | 11 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 17 | 12 | 0 | 0 | |
| May, | 0 | 1 | 0 | 0 | 1 | 8 | 10 | 10 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 10 | 9 | 8 | 2 | 0 | 0 | 0 | 0 | 0 | 1 | 10 | 13 | 7 | 0 | |
| June, | 0 | 0 | 0 | 0 | 0 | 1 | 10 | 17 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 20 | 5 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 22 | 5 | 0 | |
| July, | 0 | 0 | 0 | 0 | 0 | 2 | 13 | 11 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 3 | 18 | 9 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 7 | 17 | 7 | 0 | |
| Aug., | 0 | 0 | 0 | 0 | 0 | 2 | 10 | 9 | 10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 11 | 13 | 7 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 9 | 12 | 10 | 0 | |
| Sept., | 0 | 0 | 0 | 0 | 1 | 0 | 16 | 8 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 6 | 14 | 7 | 1 | 0 | 0 | 0 | 0 | 0 | 2 | 11 | 14 | 2 | 1 | |
| Oct., | 0 | 1 | 0 | 0 | 2 | 1 | 8 | 18 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 6 | 16 | 8 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 16 | 11 | 1 | 0 | |
| Nov., | 0 | 0 | 0 | 0 | 0 | 1 | 20 | 5 | 4 | 0 | 0 | 0 | 0 | 0 | 1 | 3 | 12 | 12 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 17 | 10 | 0 | 0 | |
| Dec., | 0 | 1 | 1 | 0 | 2 | 3 | 16 | 8 | 0 | 0 | 0 | 0 | 1 | 0 | 3 | 6 | 13 | 8 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 5 | 18 | 6 | 0 | 0 | |
| Sum, | 0 | 5 | 3 | 1 | 20 | 43 | 160 | 104 | 29 | 0 | 0 | 0 | 2 | 2 | 11 | 26 | 116 | 143 | 58 | 7 | 0 | 0 | 2 | 2 | 3 | 25 | 158 | 138 | 35 | 2 | |
| Mean, | 0 | 0.4 | 0.2 | 0.1 | 1.7 | 3.6 | 13.3 | 8.7 | 2.4 | 0 | 0 | 0 | 0.2 | 0.2 | 0.9 | 2.2 | 9.7 | 11.9 | 4.8 | 0.6 | 0 | 0 | 0.2 | 0.2 | 0.2 | 2.1 | 13.2 | 11.5 | 2.9 | 0.2 | |

8—272

Form No. 1014—Met'l

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Rnpung Sunday, (Date) JAN 1 1933, 193

Time (local standard) 90 mer. normal time.

| | A.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 | P.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Temperature at end of hour | 17 | 17 | 16 | 16 | 16 | 17 | 17 | 18 | 22 | 23 | 26 | 27 | 28 | 30 | 31 | 30 | 30 | 29 | 30 | 29 | 29 | 29 | 29 | 28 |
| State of weather. Nature of precipitation and time of beginning and ending | | | | | | | | | | | | | | | | | | | | | | | | |
| Amounts of precipitation | | | | | | | | | | | | | | | | | | | | | | | | |
| Cloudiness and other conditions | | | | | | Part Cloudy | ← | | Clear | | | → | Pt. Cloudy | | Cloudy | | | Clear | → | | | | | |
| Sunshine (in tenths of hours) | | | | | | | | 0.80 0.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 0.8 | 0 | 0 | | | | | | | |
| Wind direction | NE | NE | SE | SE | SE | S | S | S | S | SW | S | S | S | S | S | S | S | S | S | SW | SW | SW | SW | SW |
| Wind movement | 4 | 5 | 7 | 7 | 8 | 9 | 8 | 9 | 15 | 19 | 18 | 18 | 18 | 20 | 17 | 15 | 15 | 15 | 18 | 15 | 17 | 16 | 15 | 15 |

Sunrise: Time, 7:06 Character, Clear. Moonrise: ---- ----

Sunset: Time, 4:23 Character, Cloudy. Moonset: ---- ----

Maximum Temperature: 31 | Minimum temperature: 16 | Mean temperature: 24 | Normal temperature:

Total depth of snow for 24 hours ending 7 p. m., T inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., T ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Clear Moon phase, ----
Average daily cloudiness (0-10), 3
Actual sunshine, hours, 7.7 Possible sunshine, hours, 9.3
Per cent of possible sunshine, 83
Prevailing wind direction, S Total wind, 323
Average hourly velocity, 13.5 Extreme velocity, 23
Maximum velocity, 22 Direction, S W
Time began, 1:23 P.M.
Reduced barometer, 30.54 7 a. m. 30.22 7 p. m.
River gage, 14.5 fall
Relative humidity, 80 7 a. m. 73 7 p. m.

Wind data corrected to true velocity.

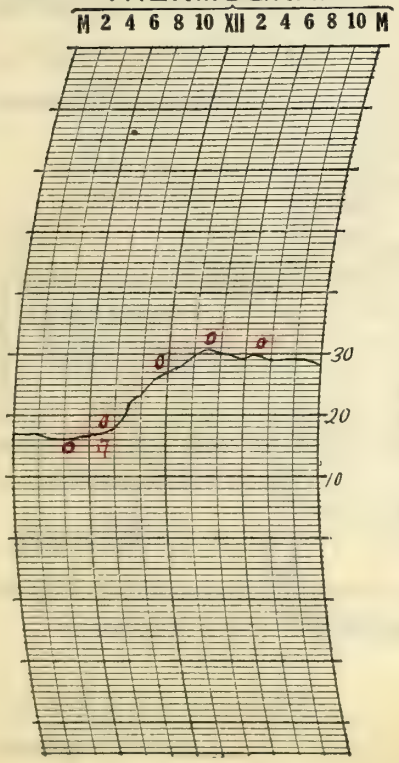
Excessive precipitation, accumulated amounts

| Total duration. From— | To— | Total amount of precipitation. | Excessive rate. Began— | Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | | | | | |

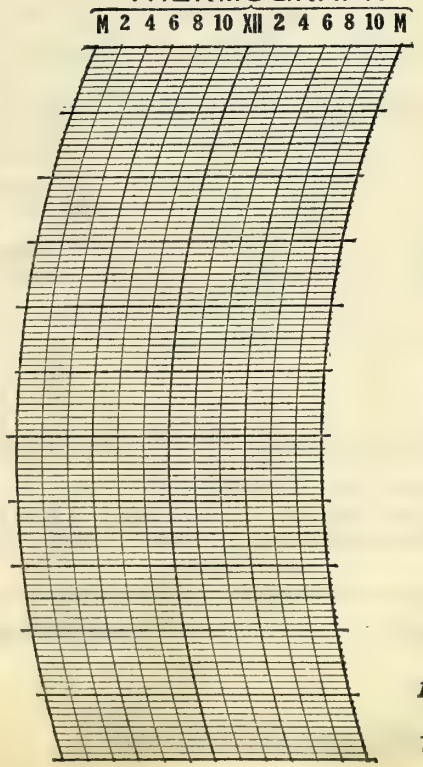
OBSERVATIONS AT 12 NOON. (Local Mean Time.)

Dry temperature, 27.0 Wet temperature, 24.0
Dew-point, 18 R. humidity, 65 V. pressure, .093
Clouds: Amount, 2; Kind, Ci St; Direction, ?
Velocity of clouds (miles per hour) ----

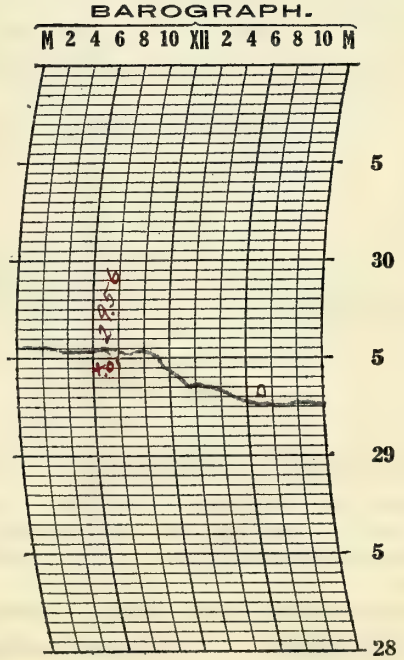
THERMOGRAPH




THERMOGRAPH




BAROGRAPH.




Prepared by R. C. L.

Verified by L. C. S.

8—486

## NOTES

Visibility good with unlimited ceilings. Light haze all day.

Form No. 1014—Met'1

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Monday, (Date) JAN 2 1933, 193

Time (local standard) 90 mer. normal time.

| | A.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 | P.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Temperature at end of hour | 28 | 28 | 28 | 28 | 28 | 27 | 27 | 27 | 30 | 33 | 34 | 35 | 35 | 36 | 38 | 36 | 35 | 34 | 34 | 32 | 31 | 30 | 29 | 29 |
| State of weather. Nature of precipitation and time of beginning and ending | | | | | | | | | | | | | | | | | | | | | | | | |
| Amounts of precipitation | | | | | | | | | | | | | | | | | | | | | | | | |
| Cloudiness and other conditions | | | | | | Part Cloudy | | | | | Cloudy Light haze | | | | | Part cloudy | Clear | | | | | | | |
| Sunshine (in tenths of hours) | | | | | | | | .90 0 | 1.0 | 0.9 | 1.0 | 1.0 | 0.8 | 0.4 | 0.7 | .25 0 | .40 0 | | | | | | | |
| Wind direction | SW | SW | SW | SW | SW | SW | SW | SW | SW | SW | SW | SW | SW | SW | S | S | S | S | S | S | S | S | S | S |
| Wind movement | 15 | 15 | 15 | 13 | 12 | 11 | 10 | 11 | 12 | 15 | 14 | 13 | 14 | 11 | 13 | 10 | 10 | 12 | 11 | 12 | 9 | 8 | 6 | 7 |

Sunrise: Time, 7:06 Character, Clear

Moonrise: ---

Sunset: Time, 4:24 Character, Clear

Moonset: after 7:45

Maximum velocities (exceeding 24 miles) direction and time

Wind data corrected to true velocity.

| Total duration. From— | To— | Total amount of precipitation. | Excessive rate. Began— | Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | | | | | |

Excessive precipitation, accumulated amounts

| Maximum Temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 38 | 27 | 32 | |

Total depth of snow for 24 hours ending 7 p. m., 0 inches.

Snow, sleet, and hail on ground 7 p. m., 0 inches.

Total snowfall, midnight to midnight, 0 inches.

Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.

Total precipitation, midnight to midnight, 0 inches.

Character of day, Cloudy Moon phase,

Average daily cloudiness (0-10), 8

Actual sunshine, hours, 7.4 Possible sunshine, hours, 9.3

Per cent of possible sunshine, 80

Prevailing wind direction, S.W. Total wind, 279

Average hourly velocity, 11.6 Extreme velocity, 19

Maximum velocity, 18 Direction, S.W.

Time began, 2:21 a.m.

Reduced barometer, 30.24 7 a. m. 30.20 7 p. m.

River gage, 13.1 feet

Relative humidity, 96 7 a. m. 62 7 p. m.

OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

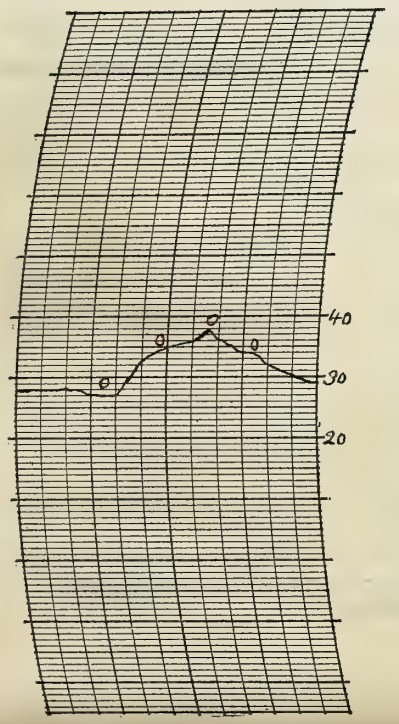
Dry temperature, 35.0 Wet temperature, 30.6

Dew-point, 23 R. humidity, 60 V. pressure, 1.18

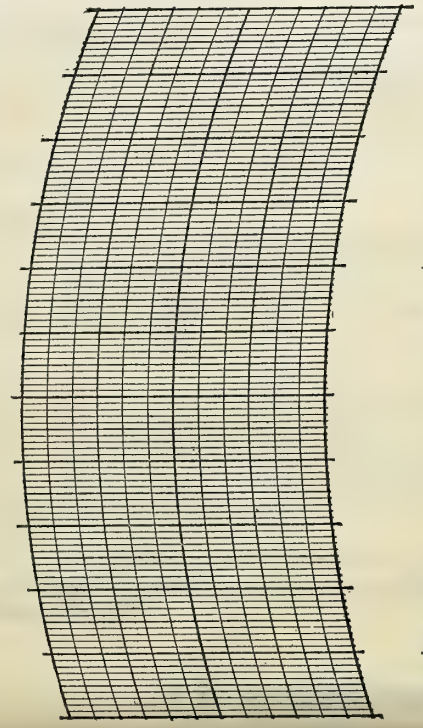
Clouds: Amount, 9; Kind, Ci; Direction, S.W.

Velocity of clouds (miles per hour)

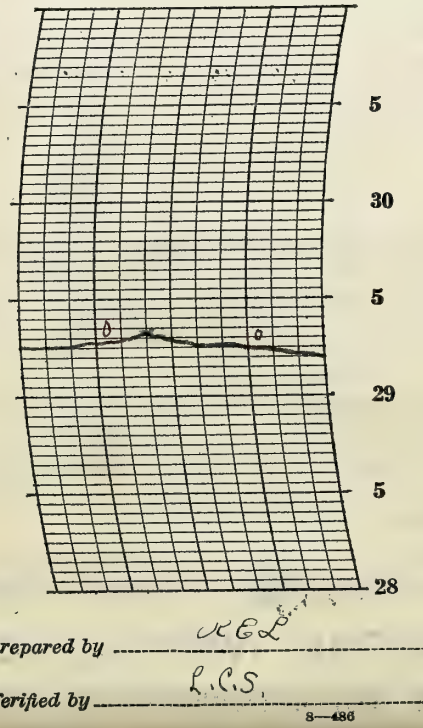
THERMOGRAPH




THERMOGRAPH




BAROGRAPH.




Prepared by KEL

Verified by L.C.S.

8—486

## NOTES

Visibility good with unlimited ceilings.

Light haze 8:00 a.m. to 4:00 p.m.

Solar halo was visible from 10:30 a.m. to mid-afternoon.

Form No. 1014—Met'1

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(Station) Fort Wayne. Ind., (Day of week) Tuesday, (Date) JAN 3 1933, 193

Time (local standard) 90 mer. normal time.

| | A.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 | P.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Temperature at end of hour | 29 | 30 | 31 | 32 | 33 | 33 | 34 | 34 | 35 | 37 | 40 | 42 | 44 | 46 | 44 | 43 | 41 | 42 | 43 | 43 | 43 | 43 | 45 | 44 |
| State of weather: Nature of precipitation and time of beginning and ending | | | | | | | | | | | | | | | | | | | | | | | | |
| Amounts of precipitation | | | | | | | | | | | | | | | | | | | | | | | | |
| Cloudiness and other conditions | Cloudy | | | | | | Partly Cloudy | | | | Clear | | | | | | | | Cloudy | | | | | |
| Sunshine (in tenths of hours) | | | | | | | 0 | 0 | 0.2 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 0.8 | 0 | | | | | | | |
| Wind direction | S | S | S | S | S | SW | SW | S | S | S | SW | S | S | S | S | S | S | S | S | S | S | SW | SW | SW |
| Wind movement | 7 | 8 | 9 | 9 | 10 | 9 | 9 | 10 | 10 | 13 | 14 | 15 | 15 | 15 | 15 | 12 | 12 | 13 | 13 | 13 | 12 | 13 | 14 | 14 |
| Maximum velocities (exceeding 24 miles) direction and time | | | | | | | | | | | | | | | | | | | | | | | | |

Sunrise: Time, 7:06 Character, Cloudy. Moonrise:

Sunset: Time, 4:25 Character, Clear. Moonset:

Wind data corrected to true velocity.

| Total duration. From— | To— | Total amount of precipitation. | Excessive rate. Began— | Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | | | | | |

Excessive precipitation, accumulated amounts

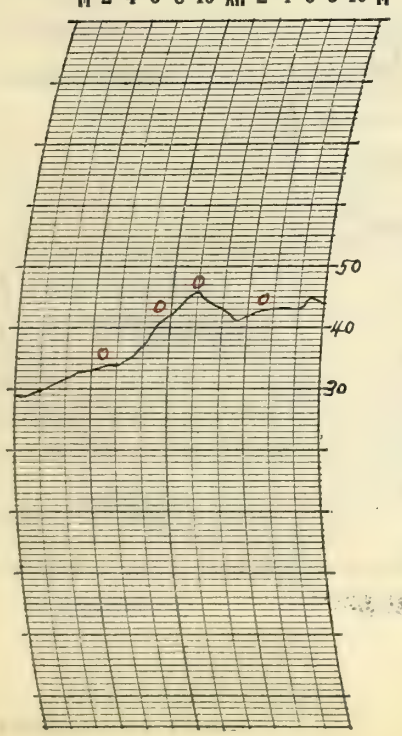
| Maximum Temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 46 | 29 | 38 | |

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Clear Moon phase,
Average daily cloudiness (0-10), 3
Actual sunshine, hours, 7.6 Possible sunshine, hours, 9.3
Per cent of possible sunshine, 82
Prevailing wind direction, S Total wind, 284
Average hourly velocity, 11.8 Extreme velocity, 20°
Maximum velocity, 18° Direction, S
Time began, 11:28 a.m.
Reduced barometer, 30.06 7 a. m. 29.92 7 p. m.
River gage, 11.6 feet
Relative humidity, 72 7 a. m. 74 7 p. m.

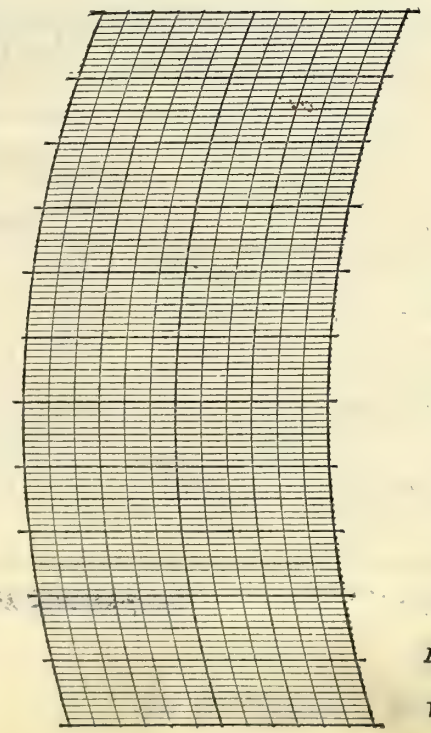
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 41.8 Wet temperature, 37.0
Dew-point, 31 R. humidity, 64 V. pressure, .172
Clouds: Amount, 1; Kind, Ci-Cu; Direction, W
Velocity of clouds (miles per hour)

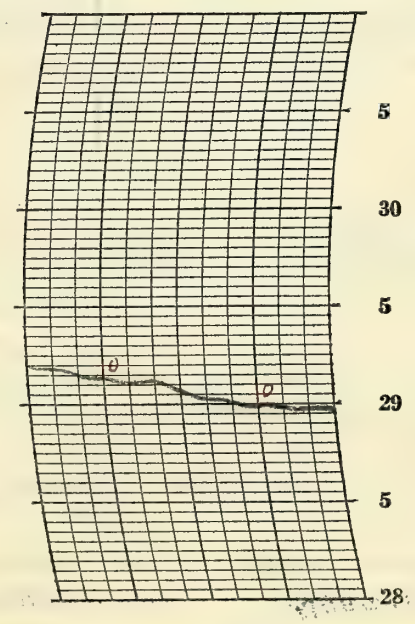
THERMOGRAPH




THERMOGRAPH




BAROGRAPH.




Prepared by R.C.L.

Verified by L.C.S.

8—486

## NOTES

ø Estimated. Clock stopped.

e Max and extreme for partial record. Light haze all day. Visibility three to five miles. Ceilings mostly unlimited.

Form No. 1014—Met'l

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Wednesday, (Date) JAN 4 1933, 193

Time (local standard) 90 mer. normal time.

| | A.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 | P.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Temperature at end of hour (44) | 43 | 42 | 43 | 42 | 42 | 43 | 43 | 43 | 42 | 42 | 42 | 42 | 42 | 42 | 42 | 40 | 39 | 38 | 36 | 34 | 33 | 32 | 31 | 30 |
| State of weather: Nature of precipitation and time of beginning and ending | | | | | | | | | | | Rmix B 1000 | | | | | R E 3:15 | | | | | | | | |
| Amounts of precipitation | | | | | | | | | | | T | T | T | T | T | T | | | | | | | | |
| Cloudiness and other conditions | | | | | | ← | | | | | Cloudy | | | | | | Part Cldy | Clear | | | | | | |
| Sunrise: Time 7:06, Character Cloudy | | | | | | | | | | | | | | | | | | | | | Sunset: Time 4:26, Character Cloudy | | | |
| Moonrise: | | | | | | | | | | | | | | | | | | | | | Moonset: | | | |
| Sunshine (in tenths of hours) | ø | ø | ø | ø | ø | ø | | o | o | o | o | o | o | o | o | o | o | | | | | | | |
| Wind direction | SW | SW | SW | SW | SW | SW | SW | SW | SW | SW | SW | SW | SW | W | W | W | W | NW | NW | NW | W | W | W | W |
| Wind movement | ø 15 | ø 15 | ø 15 | ø 15 | ø 15 | ø 15 | 15 | 15 | 16 | 14 | 14 | 12 | 9 | 12 | 12 | 12 | 11 | 9 | 9 | 7 | 7 | 8 | 8 | 7 |
| Maximum velocities (exceeding 24 miles) direction and time | | | | | | | | | | | | | | | | | | | | | | | | |

Wind data corrected to true velocity.

| Total duration. From— | To— | Total amount of precipitation. | Excessive rate. Began— | Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | | | | | |

Excessive precipitation, accumulated amounts

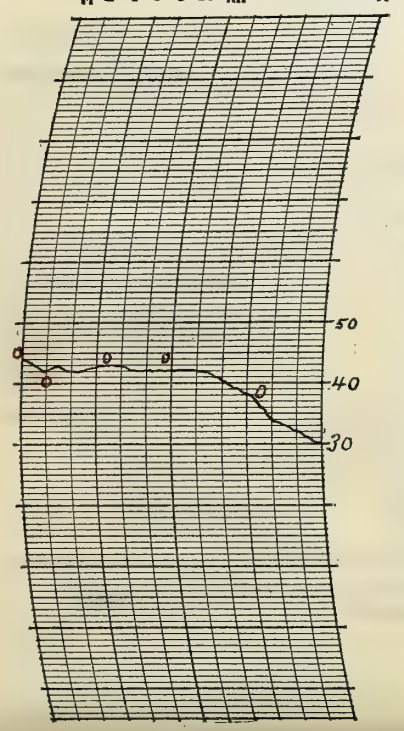
| Maximum Temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 44 | 30 | 37 | |

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., T ins.
Total precipitation, midnight to midnight, T inches.
Character of day, Cloudy Moon phase,
Average daily cloudiness (0-10), 10
Actual sunshine, hours, 0 Possible sunshine, hours, 9.3
Per cent of possible sunshine, 0
Prevailing wind direction, SW Total wind, 287
Average hourly velocity, 12.0 Extreme velocity, 19
Maximum velocity, 18 Direction, SW
Time began, 7:42 a.m.
Reduced barometer, 29.86 7 a. m. 29.95 7 p. m.
River gage, 10.2 feet
Relative humidity, 92 7 a. m. 80 7 p. m.

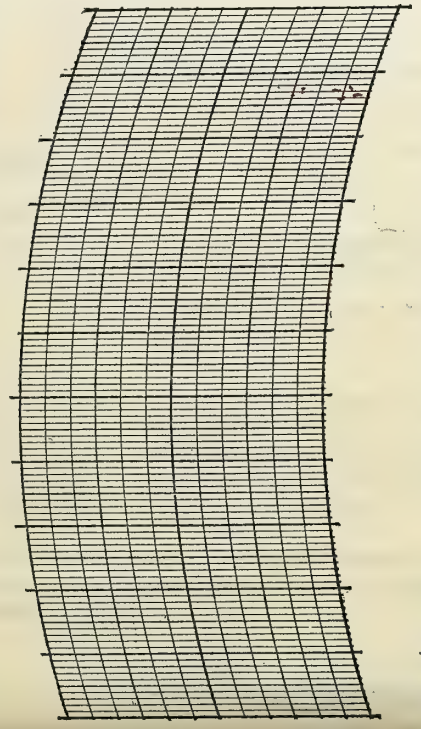
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 42.0 Wet temperature, 41.3
Dew-point, 41 R. humidity, 94 V. pressure, .256
Clouds: Amount, 10; Kind, ~~St-Cu~~; Direction, SW
Velocity of clouds (miles per hour)

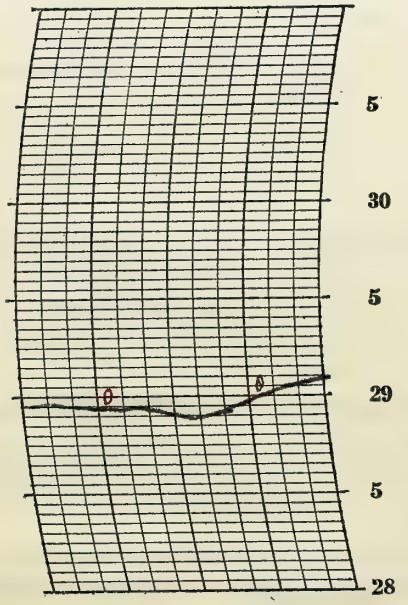
THERMOGRAPH




THERMOGRAPH




BAROGRAPH.




Prepared by REL.

Verified by L.C.S.

8—486

## NOTES

ø Estimated — clock stopped.

o Max and extreme for partial record. Streets wet with sweat during early morning.

Visibility limited by mist and fog most of the day.

Form No. 1014—Met'1

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Thursday, (Date) JAN 5 1933, 193

Time (local standard) 90mer. normal time.

| | A.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 | P.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Temperature at end of hour | 30 | 29 | 29 | 28 | 28 | 27 | 27 | 26 | 30 | 33 | 36 | 37 | 40 | 40 | 40 | 39 | 37 | 36 | 35 | 34 | 34 | 34 | 34 | 33 |
| State of weather. Nature of precipitation and time of beginning and ending | | | | | | | | | | | | | | | | | | | | | | | | |
| Amounts of precipitation | | | | | | | | | | | | | | | | | | | | | | | | |
| Cloudiness and other conditions | | | | | | ← Clear | | | | | | | × Cloudy | | | × Clear | | | | | → | | | |
| | | | | | | 17. Fog | | | | × Fog | | | | | | | | | | | | | | |
| Sunshine (in tenths of hours) | | | | | | | | .90 0 | .04 0.6 | 1.0 | 1.0 | 1.0 | 1.0 | 0.6 | 0 | 0.4 | 0 | | | | | | | |
| Wind direction | W | W | W | W | W | SW | W | SW | SW | SW | S | SW | SW | SW | SW | S | S | S | SW | SW | SW | SW | SW | SW |
| Wind movement | 7 | 6 | 6 | 7 | 7 | 5 | 6 | 6 | 9 | 8 | 10 | 12 | 12 | 12 | 10 | 10 | 11 | 12 | 11 | 11 | 11 | 12 | 11 | 11 |
| Maximum velocities (exceeding 24 miles) direction and time | | | | | | | | | | | | | | | | | | | | | | | | |

Sunrise: Time, 7:06 Character, Clear
Moonrise:
Sunset: Time, 4:27 Character, Cloudy
Moonset:

Wind data corrected to true velocity.

Excessive precipitation, accumulated amounts

| Total duration. From— | To— | Total amount of precipitation. | Excessive rate. Began— | Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | | | | | |

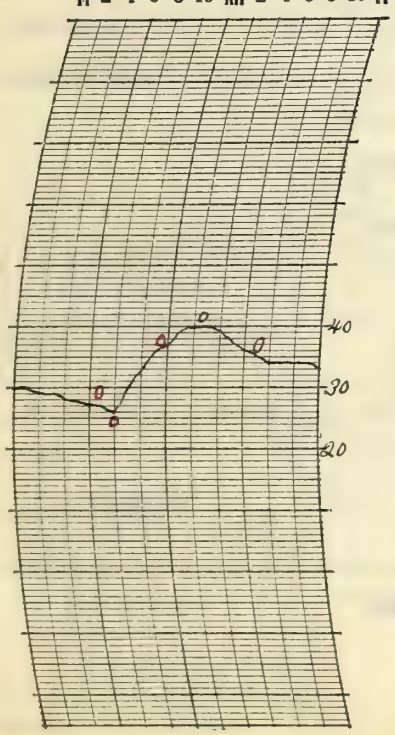
| Maximum Temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 40 | 26 | 33 | |

Total depth of snow for 24 hours ending 7p. m., 0 inches.
Snow, sleet, and hail on ground 7p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7a. m., 0 ins.; to 7p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Clear Moon phase,
Average daily cloudiness (0-10), 9
Actual sunshine, hours, 6.9 Possible sunshine, hours, 9.4
Per cent of possible sunshine, 73
Prevailing wind direction, SW Total wind, 228
Average hourly velocity, 9.3 Extreme velocity, 15
Maximum velocity, 15 Direction, S
Time began, 5:13 P.M.
Reduced barometer, 30.14 7a. m. 30.07 7p. m.
River gage, 9.1 feet
Relative humidity, 94 7a. m. 71 7p. m.

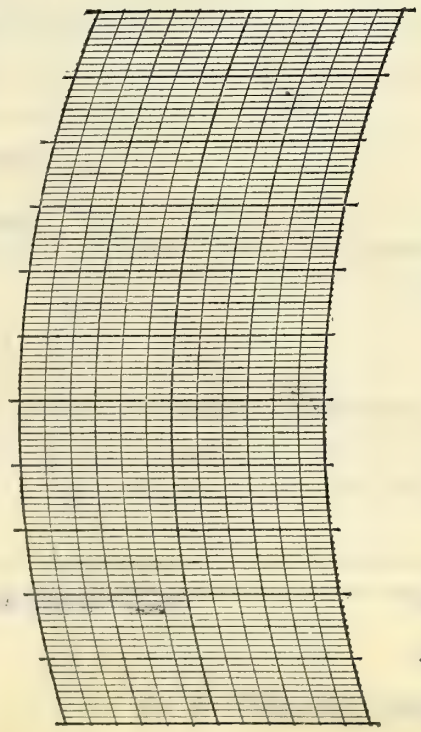
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 37.0 Wet temperature, 33.7
Dew-point, 29 R. humidity, 72 V. pressure, .157
Clouds: Amount, 2; Kind, Ci; Direction, W
Velocity of clouds (miles per hour)

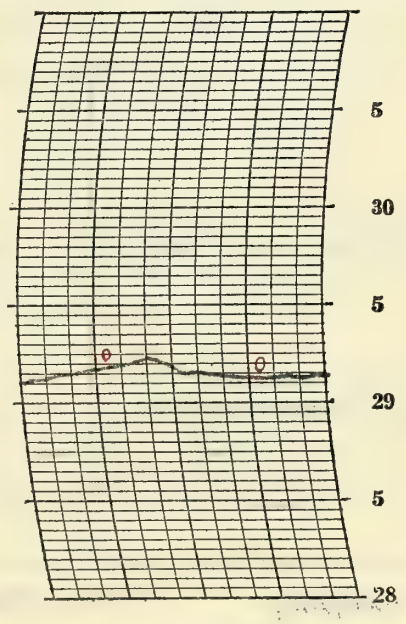
THERMOGRAPH




THERMOGRAPH




BAROGRAPH.




Prepared by RCL

Verified by L.C.S.

8—486

## NOTES

Ceilings unlimited, visibility poor to good.

Form No. 1014—Met'1

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Friday, (Date) JAN 6 1933, 193

Time (local standard) 90 mer. normal time.

| | A.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Temperature at end of hour | 33 | 32 | 32 | 32 | 31 | 31 | 31 | 32 | 35 | 39 | 42 | 44 |
| State of weather. Nature of precipitation and time of beginning and ending | | | | | | | | | | | | |
| Amounts of precipitation | | | | | | | | | | | | |
| Cloudiness and other conditions | | | | | | ← Clear | | | | | | |
| Sunshine (in tenths of hours) | | | | | | | | 0.9 0 | 1.0 | 1.0 | 1.0 | 1.0 |
| Wind direction | SW | SW | SW | SW | SW | SW | S | S | S | S | S | S |
| Wind movement | 9 | 9 | 9 | 9 | 8 | 7 | 8 | 11 | 11 | 11 | 15 | 14 |
| Maximum velocities (exceeding 24 miles) direction and time | | | | | | | | | | | | |

Sunrise: Time, 7:06 Character, Clear

Moonrise: ____ ____

| | P.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Temperature at end of hour | 46 | 48 | 47 | 48 | 46 | 47 | 47 | 47 | 49 | 47 | 46 | 45 |
| State of weather. Nature of precipitation and time of beginning and ending | | | | | | | | | | | | |
| Amounts of precipitation | | | | | | | | | | | | |
| Cloudiness and other conditions | Part Cloudy | | Cloudy | | | | | | → | | | |
| Sunshine (in tenths of hours) | 1.0 | 1.0 | 0.4 | 0 | 0 | | | | | | | |
| Wind direction | S | SW | SW | S | S | S | S | S | SW | SW | SW | SW |
| Wind movement | 15 | 15 | 15 | 15 | 15 | 15 | 16 | 18 | 21 | 21 | 19 | 18 |
| Maximum velocities (exceeding 24 miles) direction and time | | | | | | | | | | | | |

Sunset: Time, 4:28 Character, Cloudy

Moonset: ____ ____

Wind data corrected to true velocity.

Excessive precipitation, accumulated amounts

| Total duration. From— | To— | Total amount of precipitation. | Excessive rate. Began— | Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | | | | | |

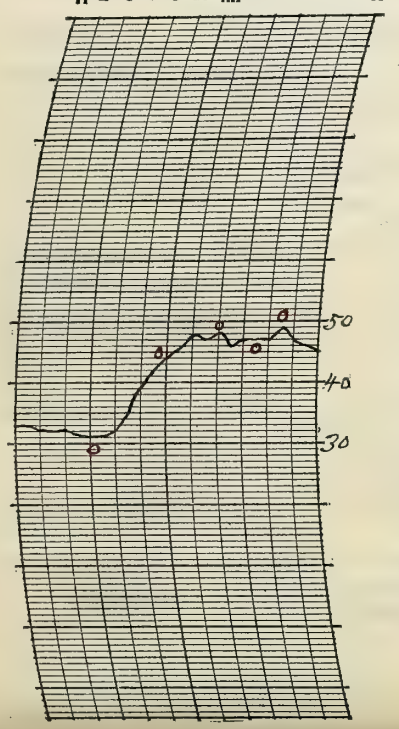
| Maximum Temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 49 | 31 | 40 | |

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Part Cloudy Moon phase, ____
Average daily cloudiness (0-10), 4
Actual sunshine, hours, 7.3 Possible sunshine, hours, 9.4
Per cent of possible sunshine, 78
Prevailing wind direction, S, SW Total wind, 324
Average hourly velocity, 13.5 Extreme velocity, 34
Maximum velocity, 25 Direction, SW
Time began, 8:41 P. M.
Reduced barometer, 30.09 7 a. m. 29.84 7 p. m.
River gage, 7.3 feet
Relative humidity, 89 7 a. m. 52 7 p. m.

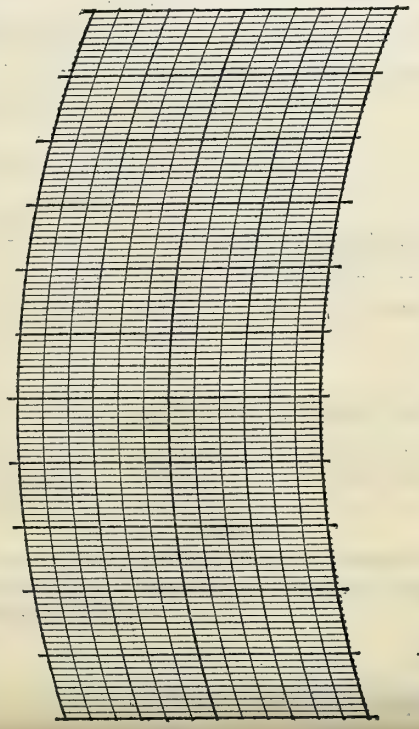
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 43.8 Wet temperature, 38.9
Dew-point, 31 R. humidity, 61 V. pressure, .172
Clouds: Amount, 2; Kind, as st; Direction, W
Velocity of clouds (miles per hour) ____

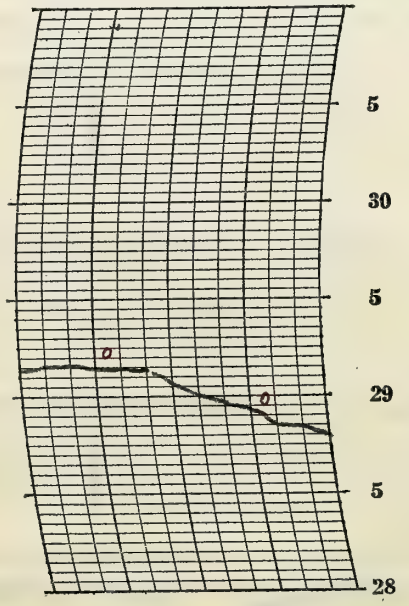
THERMOGRAPH




THERMOGRAPH




BAROGRAPH.




Prepared by R.E.L.

Verified by L.C.S.

8—486

## NOTES

Visibility fair to good with mostly unlimited ceiling.
Lunar halo at 6:40 P.M.

Form No. 1014—Met'l

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Saturday, (Date) JAN 7 1933, 193

Time (local standard) 90 mer. normal time.

| | A.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 | P.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Temperature at end of hour | 46 | 45 | 43 | 42 | 41 | 40 | 39 | 39 | 36 | 35 | 35 | 35 | 34 | 34 | 34 | 34 | 34 | 34 | 34 | 34 | 34 | 34 | 32 | 31 |
| State of weather: Nature of precipitation and time of beginning and ending | | | | | | | | | | | | | | S 13 1:02 S E 1:05 | | | | | | | | | | |
| Amounts of precipitation | | | | | | | | | | | | | | T | | | | | | | | | | |
| Cloudiness and other conditions | | | | Pt Cloudy | | | | | | | Cloudy | | | Cloudy | | | | | | | | | | |
| Sunshine (in tenths of hours) | | | | | | | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | | |
| Wind direction | SW | SW | SW | SW | W | W | W | W | W | W | W | W | W | W | NW | NW | NW | NW | NW | NW | NW | W | W | W |
| Wind movement | 15 | 15 | 14 | 13 | 15 | 20 | 21 | 20 | 24 | 21 | 21 | 18 | 18 | 15 | 14 | 9 | 6 | 5 | 4 | 3 | 5 | 9 | 5 | 6 |
| Maximum velocities (exceeding 24 miles) direction and time | | | | | | | | 26 W 7:00 | 30 W 8:42 | 25 W 9:44 | 25 W 10:01 | | | | | | | | | | | | | |

Sunrise: Time 7:06 Character Cloudy
Moonrise:
Sunset: Time 4:29 Character Cloudy
Moonset:

Wind data corrected to true velocity.

| Total duration. From— | To— | Total amount of precipitation. | Excessive rate. Began— | Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | | | | | |

Excessive precipitation, accumulated amounts

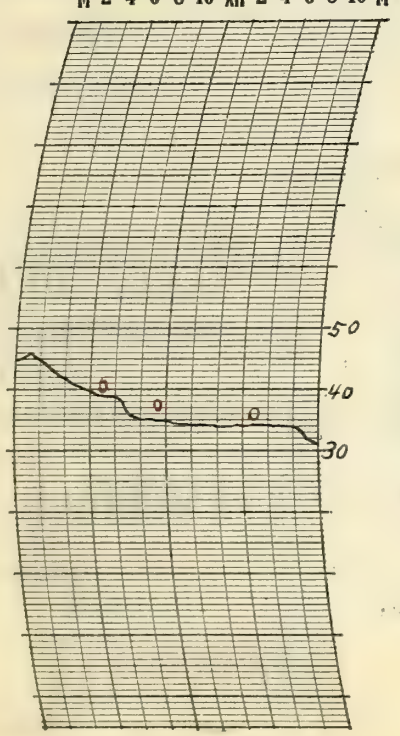
| | |
|---|---|
| Maximum Temperature. | 46 |
| Minimum temperature. | 31 |
| Mean temperature. | 38 |
| Normal temperature. | |

Total depth of snow for 24 hours ending 7 p. m., T inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, T inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., T ins.
Total precipitation, midnight to midnight, T inches.
Character of day, Cloudy. Moon phase,
Average daily cloudiness (0-10), 10
Actual sunshine, hours, 0 Possible sunshine, hours, 9.4
Per cent of possible sunshine, 0
Prevailing wind direction, W Total wind, 316
Average hourly velocity, 13.2 Extreme velocity, 32
Maximum velocity, 30 Direction, W
Time began, 8:42 a. m.
Reduced barometer, 29.76 7 a. m. 30.20 7 p. m.
River gage, 5.9 Feet
Relative humidity, 73 7 a. m. 67 7 p. m.

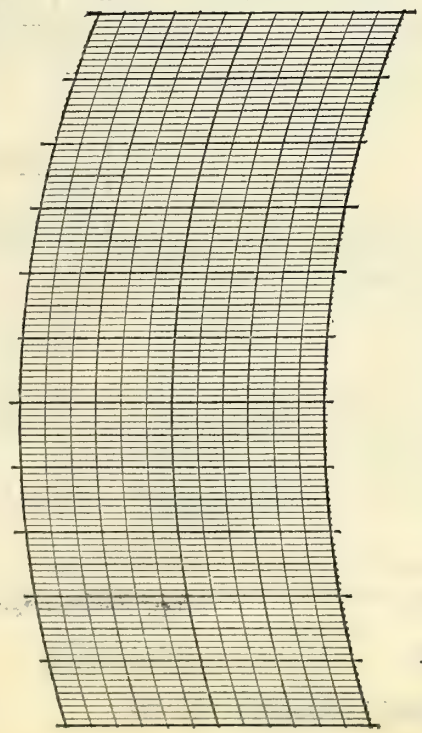
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 35.0 Wet temperature, 31.0
Dew-point, 25 R. humidity, 64 V. pressure, .190
Clouds: Amount, 10; Kind, Stc.; Direction, N W
Velocity of clouds (miles per hour)

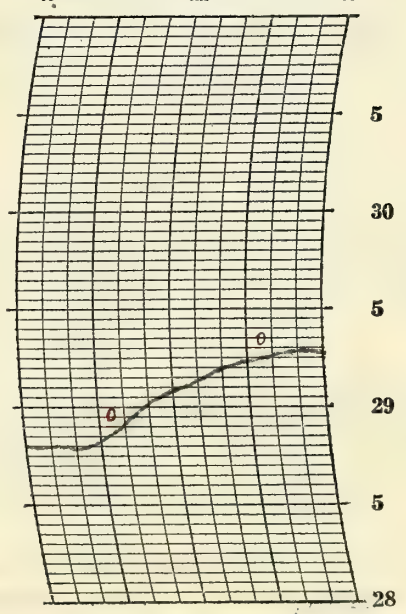
THERMOGRAPH




THERMOGRAPH




BAROGRAPH.




Prepared by R.C.L.

Verified by L.C.S.

8—486

## NOTES

Ceilings and visibility good.

Form No. 1014—Met'l

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Sunday, (Date) JAN 8 1933, 193

| Time (local standard) 90 mer. normal time. | A.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 | P.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Temperature at end of hour | 30 | 30 | 29 | 28 | 28 | 28 | 28 | 30 | 33 | 36 | 38 | 39 | 40 | 41 | 42 | 40 | 38 | 38 | 38 | 37 | 37 | 36 | 35 | 35 |
| State of weather. Nature of precipitation and time of beginning and ending | | | | | | | | | | | | | | | | | | | | | | | | |
| Amounts of precipitation | | | | | | | | | | | | | | | | | | | | | | | | |
| Cloudiness and other conditions | | | | | Clear | | | | Part Cloudy | | Cloudy | | | | | | | | | | | | | |
| Sunshine (in tenths of hours) | | | | | | | | 0 | 0.7 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 0.3 | 0 | 0 | | | | | | | |
| Wind direction | W | W | W | S | S | S | S | S | S | SW | SW | SW | SW | SW | SW | S | S | SW | S | SW | SW | SW | SW | SW |
| Wind movement | 4 | 5 | 6 | 7 | 5 | 8 | 8 | 9 | 9 | 13 | 17 | 18 | 16 | 15 | 11 | 11 | 12 | 9 | 9 | 10 | 9 | 9 | 9 | 7 |
| Maximum velocities (exceeding 24 miles) direction and time | | | | | | | | | | | | | | | | | | | | | | | | |

Sunrise: Time, 7:06 Character, Cloudy
Moonrise:

Sunset: Time, 4:30 Character, Cloudy
Moonset:

Wind data corrected to true velocity.

Excessive precipitation, accumulated amounts

| Total duration. From— | To— | Total amount of precipitation. | Excessive rate. Began— | Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | | | | | |

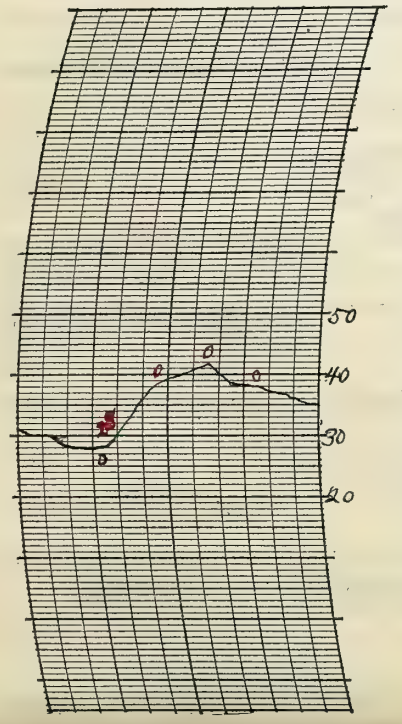
| Maximum Temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 42 | 28 | 35 | |

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Cloudy Moon phase,
Average daily cloudiness (0-10), 8
Actual sunshine, hours, 6.0 Possible sunshine, hours, 9.4
Per cent of possible sunshine, 64
Prevailing wind direction, SW Total wind, 236
Average hourly velocity, 9.8 Extreme velocity, 21
Maximum velocity, 21 Direction, SW
Time began, 11:37 A.M.
Reduced barometer, 30.18 7 a. m. 29.99 7 p. m.
River gage, 4.8 feet
Relative humidity, 86 7 a. m. 73 7 p. m.

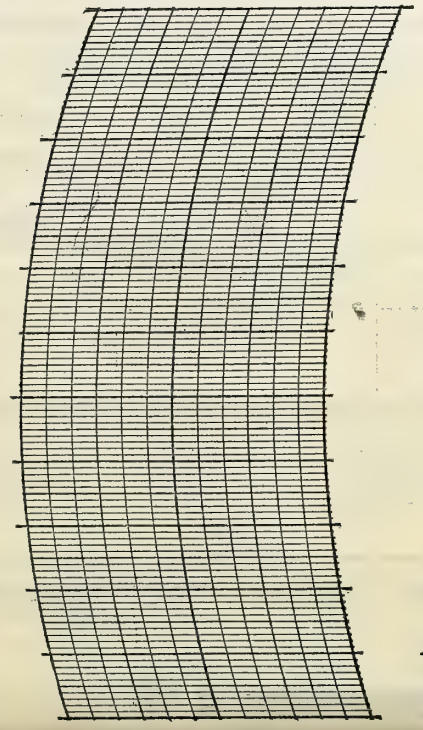
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 39.0 Wet temperature, 34.8
Dew-point, 29 R. humidity, 66 V. pressure, .157
Clouds: Amount, 4 a. St.; Kind, a. St.; Direction, W
Velocity of clouds (miles per hour)

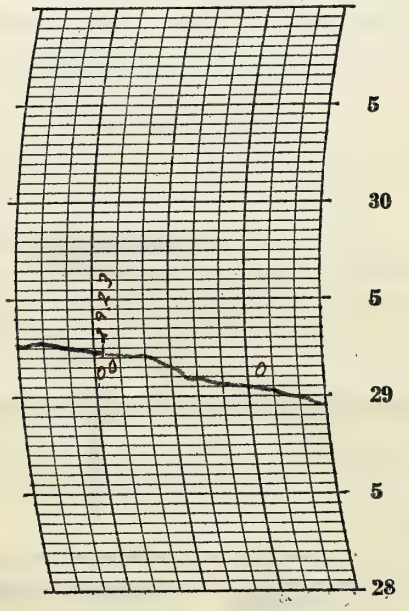
THERMOGRAPH




THERMOGRAPH




BAROGRAPH.




Prepared by R.C.L.

Verified by L.C.S.

8—486

## NOTES

Faint solar halo 12 M to 2:00 P.M.

Visibility good to very good, with ceilings mostly unlimited.

Form No. 1014—Met'l

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Monday, (Date) JAN 9 1933, 193

Time (local standard) 90 mer. normal time.

| | A.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 | P.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Temperature at end of hour | 35 | 34 | 34 | 35 | 35 | 34 | 34 | 32 | 32 | 32 | 32 | 32 | 31 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 28 | 28 | 27 | 28 |
| State of weather. Nature of precipitation and time of beginning and ending | REDN | | - | REDN | | | | | | | | | | | | | | | | | | | | |
| Amounts of precipitation | | | T? | | | | | | | | | | | | | | | | | | | | | |
| Cloudiness and other conditions | | | | | | | | | | | Cloudy | | | | | | | | | Clear | | | | |
| Sunshine (in tenths of hours) | | | | | | | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | | |
| Wind direction | SW | SW | W | W | W | NW | NW | NW | NW | NW | NW | NW | NW | NW | W | W | NW | W | W | W | SW | SW | S | S |
| Wind movement | 8 | 8 | 7 | 8 | 8 | 11 | 12 | 12 | 12 | 11 | 12 | 12 | 13 | 11 | 13 | 14 | 11 | 10 | 9 | 10 | 9 | 10 | 10 | 10 |
| Maximum velocities (exceeding 24 miles) direction and time | | | | | | | | | | | | | | | | | | | | | | | | |

Sunrise: Time, 7:06 Character, Cloudy. Moonrise:

Sunset: Time, 4:31 Character, Cloudy. Moonset:

Wind data corrected to true velocity.

| Total duration. From— | To— | Total amount of precipitation. | Excessive rate. Began— | Ended— | Amount before excessive began. |
|---|---|---|---|---|---|
| | | | | | |

Accumulated depths during excessive rate, for consecutive periods of time indicated below.

| 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | |

Excessive precipitation, accumulated amounts

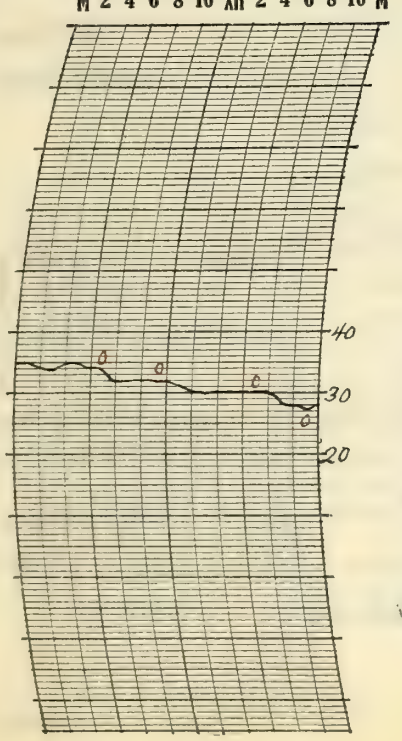
| Maximum Temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 35 | 27 | 31 | |

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., T ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, T inches.
Character of day, Cloudy. Moon phase,
Average daily cloudiness (0-10), 10
Actual sunshine, hours, 0 Possible sunshine, hours, 9.4
Per cent of possible sunshine, 0
Prevailing wind direction, NW Total wind, 251
Average hourly velocity, 10.5 Extreme velocity, 16
Maximum velocity, 15 Direction, NW
Time began, 7:38 a.m.
Reduced barometer, 29.92 7 a. m. 30.06 7 p. m.
River gage, 38 41 feet
Relative humidity, 86 7 a. m. 68 7 p. m.

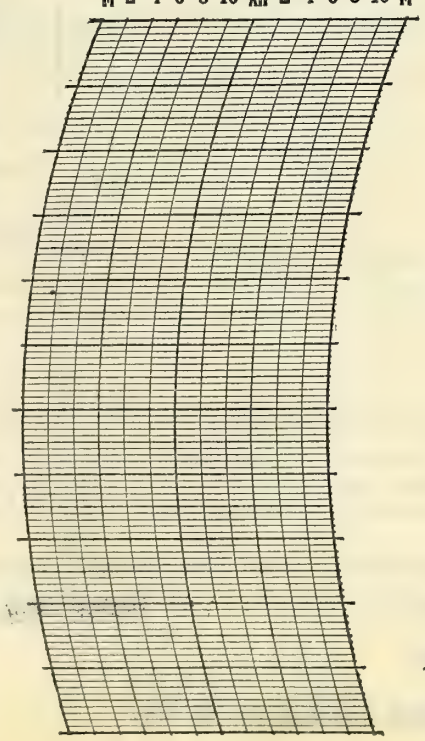
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 31.7 Wet temperature, 30.2
Dew-point, 28 R. humidity, 85 V. pressure, 150
Clouds: Amount, 10; Kind, Sth; Direction, NW
Velocity of clouds (miles per hour)

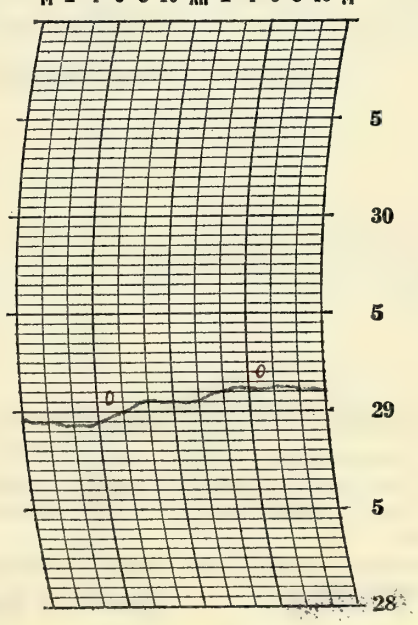
THERMOGRAPH




THERMOGRAPH




BAROGRAPH.




Prepared by R E L

Verified by L.C.S

8—486

## NOTES

Ceiling and visibility good to excellent.

Form No. 1014—Met'1

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Tuesday, (Date) JAN 10 1933, 193

| Time (local standard) 90 mer. normal time. | A.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 | P.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Temperature at end of hour | 29 | 30 | 31 | 32 | 32 | 32 | 32 | 34 | 36 | 40 | 43 | 44 | 44 | 47 | 49 | 47 | 45 | 44 | 44 | 45 | 47 | 46 | 46 | 46 |
| State of weather. Nature of precipitation and time of beginning and ending | | | | | | | | | | | | | | | | | | | | | | | | |
| Amounts of precipitation | | | | | | | | | | | | | | | | | | | | | | | | |
| Cloudiness and other conditions | | | | | | | | Cloudy | → | → | → | → | Part Cloudy | Clear | → | → | Part Cloudy | → | → | → | → | → | → | → |
| Sunshine (in tenths of hours) | | | | | | | | 0 | 0 | 0.8 | 1.0 | 1.0 | 0.6 | 1.0 | 1.0 | 0.8 | 0 | | | | | | | |
| Wind direction | S | S | S | S | S | S | S | S | S | S | S | SW | SW | S | S | S | S | S | S | S | SW | SW | SW | SW |
| Wind movement | 12 | 12 | 12 | 13 | 12 | 12 | 13 | 16 | 18 | 19 | 19 | 20 | 21 | 21 | 21 | 20 | 15 | 15 | 15 | 17 | 18 | 18 | 17 | 15 |
| Maximum velocities (exceeding 24 miles) direction and time | | | | | | | | | | | | | | | | | | | | | | | | |

Sunrise: Time, 7:06 Character, Cloudy
Moonrise: ---------- ----------
Sunset: Time, 4:32 Character, Cloudy
Moonset: ---------- ----------

Wind data corrected to true velocity.

Excessive precipitation, accumulated amounts

| Total duration. From— | To— | Total amount of precipitation. | Excessive rate. Began— | Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | | | | | |

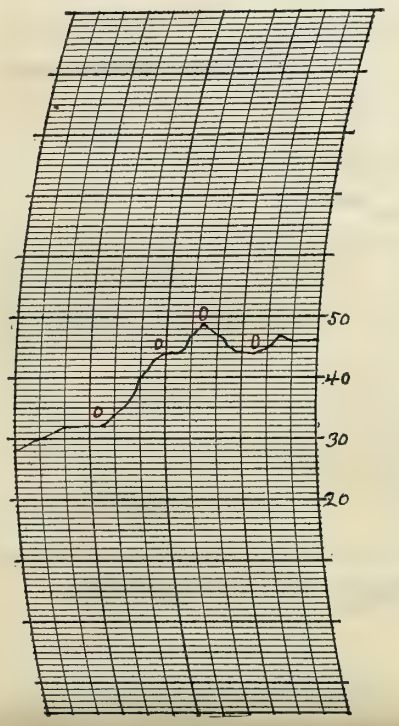
| Maximum Temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 47 | 28 | 38 | |

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Partly Cloudy Moon phase, ----------
Average daily cloudiness (0-10), 7
Actual sunshine, hours, 6.2 Possible sunshine, hours, 9.4
Per cent of possible sunshine, 66
Prevailing wind direction, S Total wind, 391
Average hourly velocity, 16.3 Extreme velocity, 27
Maximum velocity, 24 Direction, SW
Time began, 12:10 P.M.
Reduced barometer, 29.97 7 a. m. 29.76 7 p. m.
River gage, 3.8 feet
Relative humidity, 79 7 a. m. 47 7 p. m.

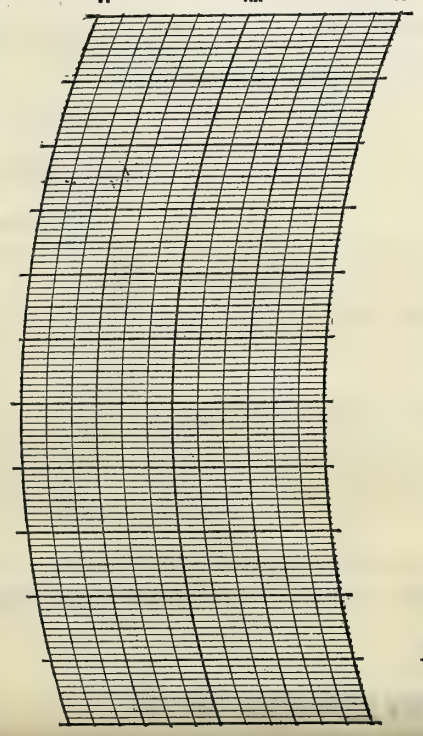
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 44.5 Wet temperature, 35.7
Dew-point, 22 R. humidity, 39 V. pressure, 113
Clouds: Amount, 6 (3 a.c., w); Kind, ----------; Direction, ----------
Velocity of clouds (miles per hour) ----------

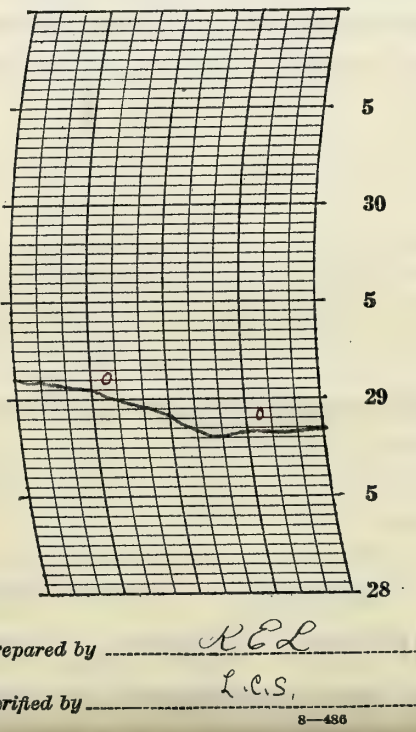
THERMOGRAPH




THERMOGRAPH




BAROGRAPH.




Prepared by K E L

Verified by L. C. S.

8—486

## NOTES

Solar halo - 8:40 a to 10:30 a.

Ceiling unlimited with excellent visibility.

Wind gusty.

Form No. 1014—Met'1

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

# DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Wednesday, (Date) JAN 11 1933, 193

Time (local standard) 90 mer. normal time.

| | A.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 | P.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Temperature at end of hour | 48 | 47 | 47 | 46 | 45 | 43 | 43 | 38 | 36 | 34 | 32 | 28 | 26 | 26 | 24 | 23 | 22 | 22 | 20 | 20 | 20 | 19 | 19 | 19 |
| State of weather. Nature of precipitation and time of beginning and ending | $R_B$ ON | $R_E$ ON | | | | | | | | | | | | | $S^D_B$ 2:20 | $S^D_E$ 3:30 | | | $S^D_B$ 6:30 | $S^D_E$ 7:10 | | | | |
| Amounts of precipitation | T | | | | | | | | | | | | | | very light T | | | | very light T | T | | | | |
| Cloudiness and other conditions | Part Cloudy | | | | | | | Cloudy | | | | Part Cloudy | Cloudy | | | | | | | | Clear | | | |
| Sunshine (in tenths of hours) | | | | | | | | 0 | 0.9 | 0.8 | 0.9 | 0.4 | 0.5 | 0.7 | 0 | 0 | 0 | | | | | | | |
| Wind direction | SW | SW | SW | SW | SW | SW | W | W | W | W | W | NW | NW | NW | NW | NW | NW | W | W | W | W | W | W | W |
| Wind movement | 15 | 18 | 16 | 14 | 12 | 10 | 13 | 12 | 15 | 18 | 18 | 17 | 16 | 18 | 16 | 15 | 16 | 15 | 15 | 12 | 13 | 13 | 12 | 12 |
| Maximum velocities (exceeding 24 miles) direction and time | | | | | | | | | | | | | | | | | | | | | | | | |

Sunrise: Time 7:05, Character Cloudy. Moonrise: ____

Sunset: Time 4:33, Character Cloudy. Moonset: ____

Wind data corrected to true velocity.

| Excessive precipitation, accumulated amounts | Total duration. From— | To— | Total amount of precipitation. | Excessive rate. Began— | Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | | | | | | |

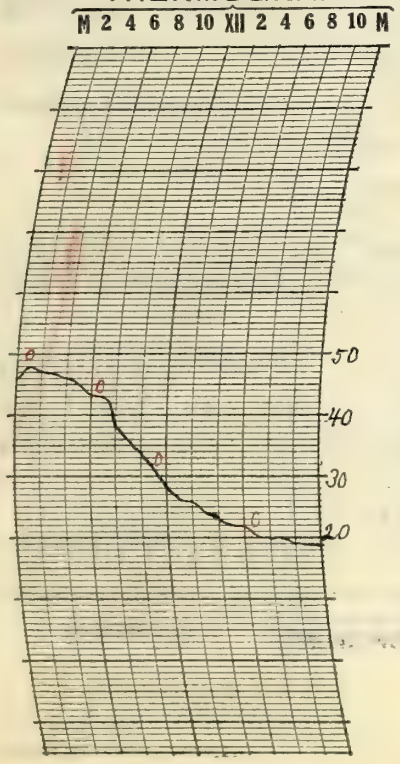
| Maximum Temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 48 | 19 | 34 | |

Total depth of snow for 24 hours ending 7 p. m., T inches.
Snow, sleet, and hail on ground 7 p. m., T inches.
Total snowfall, midnight to midnight, T inches.
Precipitation to 7 a. m., T ins.; to 7 p. m., T ins.
Total precipitation, midnight to midnight, T inches.
Character of day, Cloudy Moon phase, ____
Average daily cloudiness (0-10), 9
Actual sunshine, hours, 4.2 Possible sunshine, hours, 9.5
Per cent of possible sunshine, 44
Prevailing wind direction, W Total wind, 351
Average hourly velocity, 14.6 Extreme velocity, 26
Maximum velocity, 23 Direction, W
Time began, 9:50 a.m.
Reduced barometer, 29.84 7a. m. 30.17 7p. m.
River gage, 3.2 feet
Relative humidity, 79 7a. m. 65 7p. m.

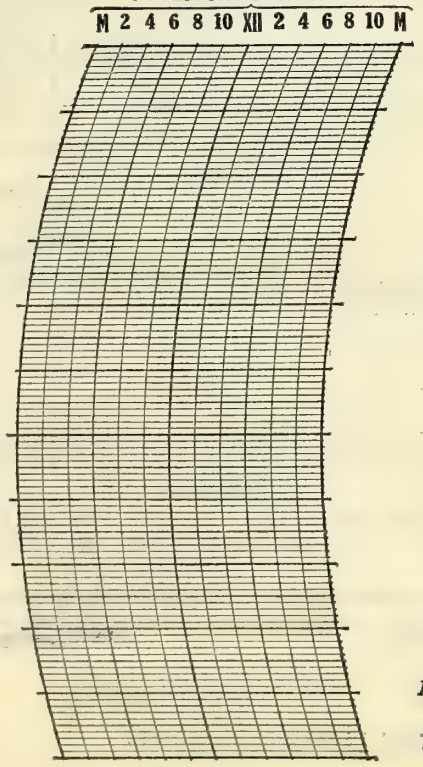
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 28.0 Wet temperature, 25.0
Dew-point, 19 R. humidity, 66 V. pressure, 0.98
Clouds: Amount, 5 (2 a Cu); Kind, St Cu; Direction, N.W.
Velocity of clouds (miles per hour) ____

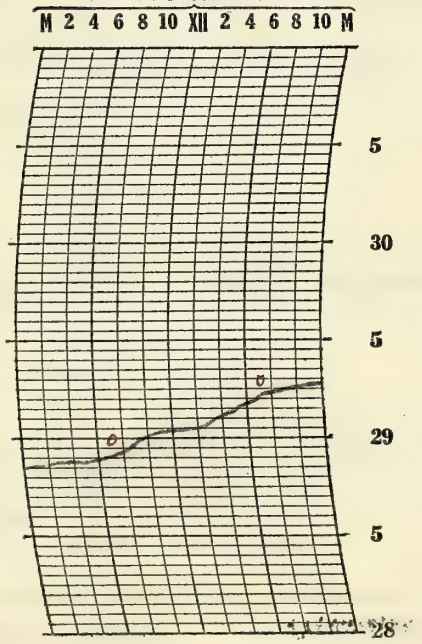
THERMOGRAPH




THERMOGRAPH




BAROGRAPH.




Prepared by R E L

Verified by L. C. S.

8—486

## NOTES

Ceilings very high & unlimited with very good visibility. Winds rather gusty.

Form No. 1014—Met'l

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Thursday, (Date) JAN 12 1933, 193

Time (local standard) 90 mer. normal time.

| | A.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 | P.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Temperature at end of hour | 18 | 18 | 18 | 17 | 16 | 16 | 16 | 17 | 20 | 22 | 24 | 26 | 29 | 29 | 30 | 30 | 29 | 29 | 28 | 27 | 27 | 26 | 26 | 25 |
| State of weather. Nature of precipitation and time of beginning and ending | | | | | | | | | | | | | | | | | | | | | | | | |
| Amounts of precipitation | | | | | | | | | | | | | | | | | | | | | | | | |
| Cloudiness and other conditions | | | | | | ← | | | Clear | | | | | | Part Cloudy | Cloudy | Cloudy | Part Cloudy | | | | | | |
| Sunshine (in tenths of hours) | | | | | | | | .92 0 | 0.2 0.8 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 0.3 | | | | | | | | |
| Wind direction | W | W | W | W | W | W | W | SW | SW | SW | SW | SW | SW | SW | SW | SW | S | S | S | S | S | S | S | S |
| Wind movement | 13 | 12 | 10 | 10 | 10 | 12 | 9 | 8 | 9 | 10 | 11 | 12 | 11 | 12 | 12 | 11 | 10 | 10 | 11 | 12 | 10 | 10 | 9 | 9 |
| Maximum velocities (exceeding 24 miles) direction and time | | | | | | | | | | | | | | | | | | | | | | | | |

Sunrise: Time, 7:05 Character, Clear
Moonrise: ---- ----
Sunset: Time, 4:34 Character, Cloudy
Moonset: ---- ----

Wind data corrected to true velocity.

Excessive precipitation, accumulated amounts

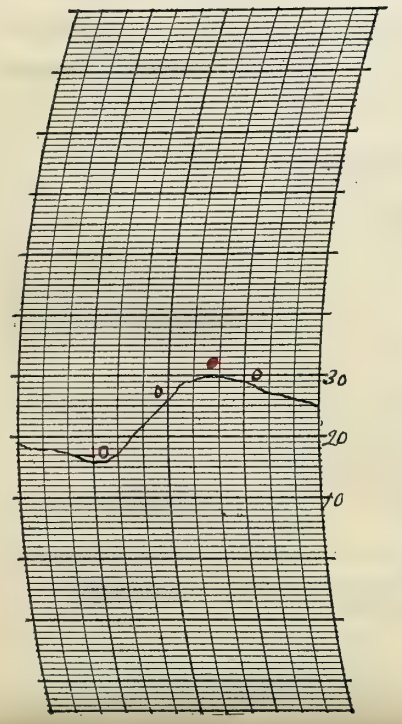
| Total duration. From— | To— | Total amount of precipitation. | Excessive rate. Began— | Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | | | | | |

| Maximum Temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 30 | 16 | 23 | |

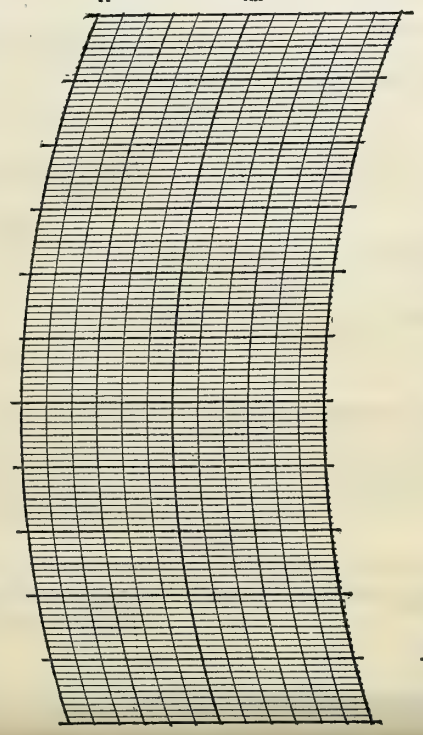
Total depth of snow for 24 hours ending 7 p. m., T inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., T ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Clear Moon phase, ----
Average daily cloudiness (0-10), 1
Actual sunshine, hours, 8.2 Possible sunshine, hours, 9.5
Per cent of possible sunshine, 86
Prevailing wind direction, SW Total wind, 253
Average hourly velocity, 10.5 Extreme velocity, 15
Maximum velocity, 15 Direction, W
Time began, 12:32 a.m.
Reduced barometer, 30.35 7 a. m. 30.31 7 p. m.
River gage, 3.0 feet
Relative humidity, 66 7 a. m. 60 7 p. m.

OBSERVATIONS AT 12 NOON.
(Local Mean Time.)
Dry temperature, 25.6 Wet temperature, 20.8
Dew-point, 7 R. humidity, 41 V. pressure, .054
Clouds: Amount, 0; Kind, —; Direction, —
Velocity of clouds (miles per hour) ----

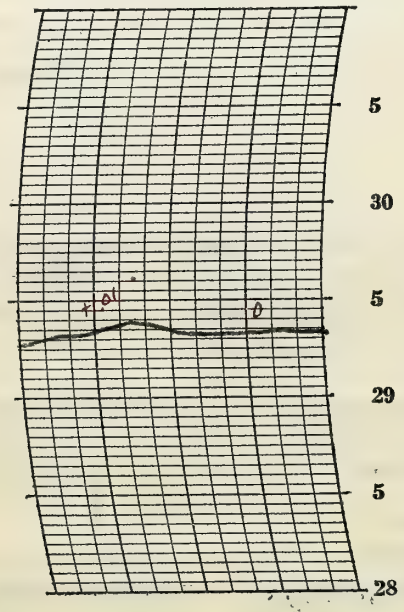
THERMOGRAPH
M 2 4 6 8 10 XII 2 4 6 8 10 M




THERMOGRAPH
M 2 4 6 8 10 XII 2 4 6 8 10 M



BAROGRAPH.
M 2 4 6 8 10 XII 2 4 6 8 10 M




Prepared by R.C.L.
Verified by L.C.S.

8—486

## NOTES

Flying conditions very good to excellent.

Form No. 1014—Met'1

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Friday, (Date) JAN 13 1933, 193

Time (local standard) 90 mer. normal time.

| | A.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 | P.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Temperature at end of hour | 24 | 25 | 25 | 26 | 26 | 26 | 26 | 28 | 29 | 32 | 34 | 36 | 38 | 39 | 40 | 38 | 38 | 36 | 36 | 36 | 34 | 33 | 32 | 30 |
| State of weather. Nature of precipitation and time of beginning and ending | | | | | | | | | | | | | | | | | | | | | | | | |
| Amounts of precipitation | | | | | | | | | | | | | | | | | | | | | | | | |
| Cloudiness and other conditions | | | | | | Cloudy | | × | | Part Cloudy | | | | | × | Cloudy | | × | | Clear | | | | |
| Sunshine (in tenths of hours) | | | | | | | | 0 | 0 | 0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 0.4 | | | | | | | | |
| Wind direction | S | S | S | S | S | S | S | S | S | S | S | S | S | S | S | S | S | S | S | S | S | S | S | S |
| Wind movement | 7 | 9 | 10 | 10 | 11 | 10 | 10 | 10 | 9 | 11 | 12 | 12 | 12 | 11 | 11 | 10 | 8 | 9 | 7 | 6 | 7 | 7 | 9 | 8 |
| Maximum velocities (exceeding 24 miles) direction and time | | | | | | | | | | | | | | | | | | | | | | | | |

Sunrise: Time, 7:05 Character, Cloudy
Moonrise:

Sunset: Time, 4:35 Character, Cloudy
Moonset:

Wind data corrected to true velocity.

| Total duration. From— | To— | Total amount of precipitation. | Excessive rate. Began— | Ended— | Amount before excessive began. |
|---|---|---|---|---|---|
| | | | | | |

Excessive precipitation, accumulated amounts

Accumulated depths during excessive rate, for consecutive periods of time indicated below.

| 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | |

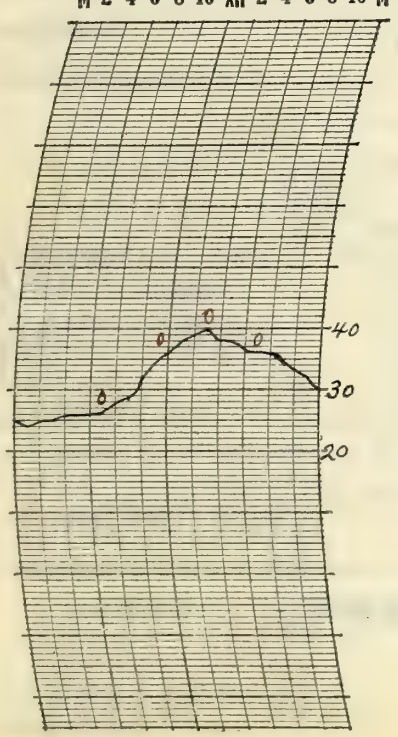
| Maximum Temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 40 | 24 | 32 | |

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Part Cloudy Moon phase,
Average daily cloudiness (0-10), 7
Actual sunshine, hours, 5.4 Possible sunshine, hours, 9.5
Per cent of possible sunshine, 57
Prevailing wind direction, S Total wind, 226
Average hourly velocity, 9.4 Extreme velocity, 15
Maximum velocity, 15 Direction, S
Time began, 11:51 a.m.
Reduced barometer, 30.30 7 a. m. 30.25 7 p. m.
River gage, 2.7 feet
Relative humidity, 64 7 a. m. 39 7 p. m.

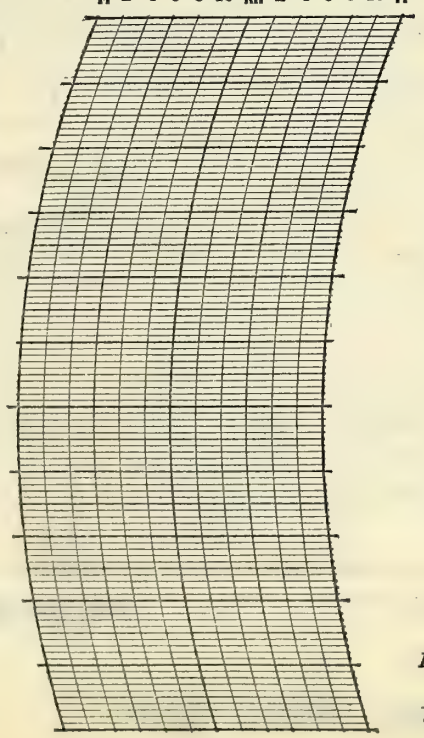
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 36.0 Wet temperature, 28.5
Dew-point, 13 R. humidity, 35 V. pressure, .074
Clouds: Amount, 7; Kind, Sc; Direction, W
Velocity of clouds (miles per hour)

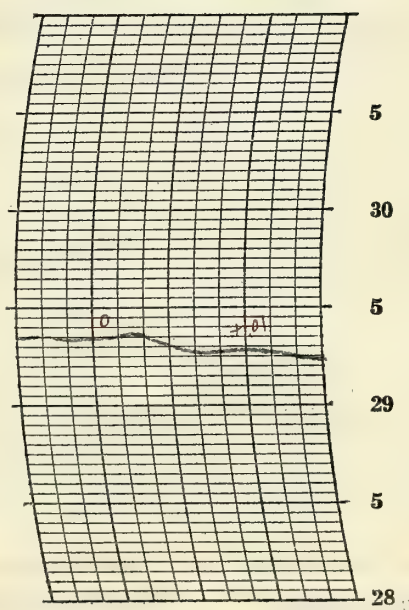
THERMOGRAPH




THERMOGRAPH




BAROGRAPH.




Prepared by R. E. L.
Verified by L. C. S.

8—486

## NOTES

Following conditions very good to excellent
Light haze all day.

Form No. 1014—Met'l

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Saturday, (Date) JAN 14 1933, 193

| Time (local standard) 90 mer. normal time. | A.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 | P.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Temperature at end of hour (90) | 30 | 29 | 30 | 30 | 30 | 31 | 31 | 31 | 32 | 34 | 35 (36) | 35 | 34 | 33 | 30 | 30 | 30 | 30 | 29 | 27 | 27 | 26 | 25 | 25 |
| State of weather: Nature of precipitation and time of beginning and ending | | | | | | | | | | | | | | | R- S ? 2:20 | R- E 3:50 | | | | | | | | |
| Amounts of precipitation | | | | | | | | | | | | | | | T | T | | | | | | | | |
| Cloudiness and other conditions | | | | 3 ← | | | | | | Cloudy | | | | | | | → | Clear | | | | | | |
| Sunrise: Time, Character, 7:04 Cloudy; Moonrise: | | | | | | | | | | | | | | | | | | | | | Sunset: Time, Character, 4:36 Cloudy; Moonset: | | | |
| Sunshine (in tenths of hours) | | | | | | | | 0 | 0 | 0.4 | 0.4 | 0.4 | 0.1 | 0 | 0 | 0 | 0 | | | | | | | |
| Wind direction | S | S | S | S | S | S | SE | S | S | SW | SW | W | W | W | W | W | W | W | W | W | SW | S | S | S |
| Wind movement | 6 | 5 | 6 | 6 | 6 | 7 | 7 | 9 | 10 | 12 | 11 | 12 | 13 | 14 | 12 | 11 | 9 | 10 | 6 | 6 | 7 | 8 | 9 | 9 |
| Maximum velocities (exceeding 24 miles) direction and time | | | | | | | | | | | | | | | | | | | | | | | | |

Wind data corrected to true velocity.

| | Total duration. From— | To— | Total amount of precipitation. | Excessive rate. Began— | Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Excessive precipitation, accumulated amounts | | | | | | | | | | | | | | | | | | | | |

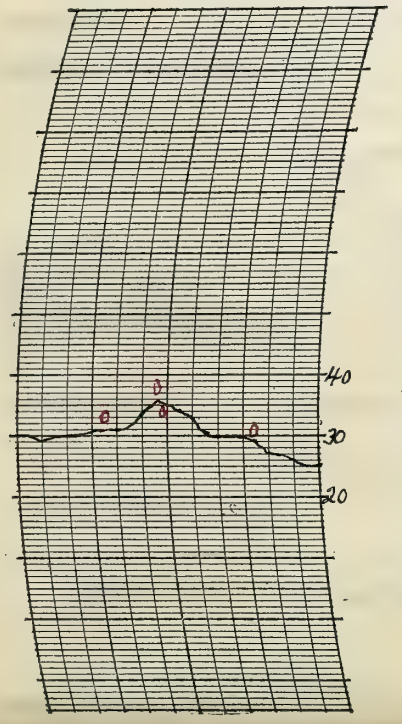
| Maximum Temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 36 | 25 | 30 | |

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., T ins.
Total precipitation, midnight to midnight, T inches.
Character of day, Cloudy Moon phase,
Average daily cloudiness (0-10), 10
Actual sunshine, hours, 1.3 Possible sunshine, hours, 9.5
Per cent of possible sunshine, 14
Prevailing wind direction, S Total wind, 211
Average hourly velocity, 8.8 Extreme velocity, 17
Maximum velocity, 17 Direction, W
Time began, 1:18 P.M.
Reduced barometer, 30.11 7 a. m. 30.17 7 p. m.
River gage, 2.1 feet
Relative humidity, 58 7 a. m. 72 7 p. m.

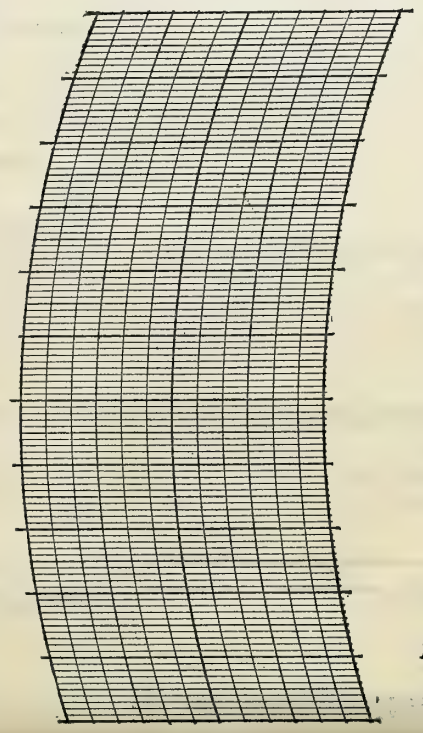
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 35.0 Wet temperature, 31.7
Dew-point, 27 R. humidity, 70 V. pressure, 143
Clouds: Amount, 10; Kind, Stc; Direction, W
Velocity of clouds (miles per hour)

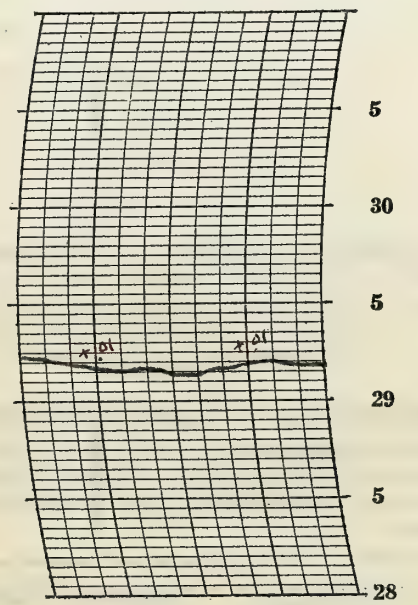
THERMOGRAPH




THERMOGRAPH




BAROGRAPH.




Prepared by R.E.L

Verified by L.C.S

8—486

## NOTES

Light haze all day.
Flying conditions good to excellent

Form No. 1014—Met'1

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Sunday, (Date) JAN 15 1933, 193

Time (local standard) 90 mer. normal time.

| | A.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 | P.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Temperature at end of hour | 24 | 26 | 28 | 29 | 31 | 32 | 32 | 34 | 38 | 42 | 46 | 48 | 51 | 52 | 51 | 47 | 46 | 43 | 43 | 41 | 42 | 41 | 39 | 38 |
| State of weather. Nature of precipitation and time of beginning and ending | | | | | | | | | | | | | | | | | | | | | | | | |
| Amounts of precipitation | | | | | | | | | | | | | | | | | | | | | | | | |
| Cloudiness and other conditions | | | | Cloudy | | | | | | | | | Clear | | | | | | | | | | | |
| Sunshine (in tenths of hours) | | | | | | | | 0.83 0.1 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | .52 0.1 | | | | | | | |
| Wind direction | SW | S | SW | S | S | SW | S | S | S | SW | SW | SW | SW | SW | SW | S | S | S | S | S | S | S | S | S |
| Wind movement | 9 | 9 | 9 | 9 | 11 | 12 | 12 | 11 | 13 | 15 | 18 | 16 | 18 | 17 | 17 | 15 | 13 | 12 | 14 | 14 | 13 | 13 | 12 | 9 |
| Maximum velocities (exceeding 24 miles) direction and time | | | | | | | | | | | | | | | | | | | | | | | | |

Sunrise: Time, 7:04 Character, Clear. Moonrise: ____ ____

Sunset: Time, 4:37 Character, Clear. Moonset: ____ ____

Wind data corrected to true velocity.

| Total duration. From— | To— | Total amount of precipitation. | Excessive rate. Began— | Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | | | | | |

Excessive precipitation, accumulated amounts

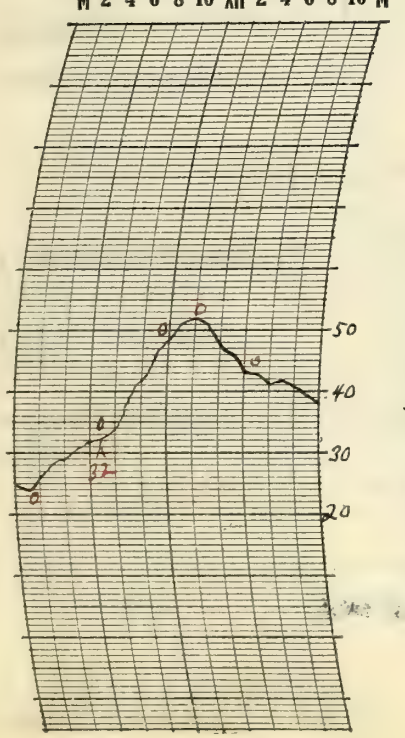
| Maximum Temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 52 | 24 | 38 | |

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Clear Moon phase, ____
Average daily cloudiness (0-10), Few
Actual sunshine, hours, 9.6 Possible sunshine, hours, 9.6
Per cent of possible sunshine, Clear 100
Prevailing wind direction, S Total wind, 311
Average hourly velocity, 13.0 Extreme velocity, 24
Maximum velocity, 21 Direction, S
Time began, 10:22 a.m.
Reduced barometer, 30.15 7 a. m. 30.08 7 p. m.
River gage, 22 feet
Relative humidity, 72 7 a. m. 60 7 p. m.

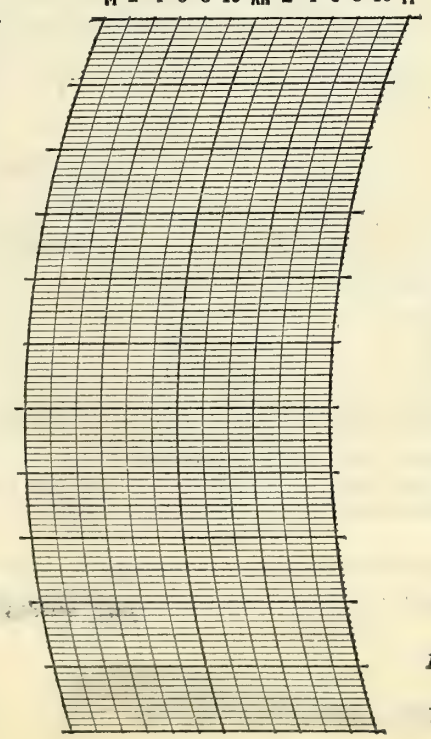
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 47.7 Wet temperature, 39.2
Dew-point, 28 R. humidity, 45 V. pressure, 1.50
Clouds: Amount, 0; Kind, —; Direction, —
Velocity of clouds (miles per hour) ____

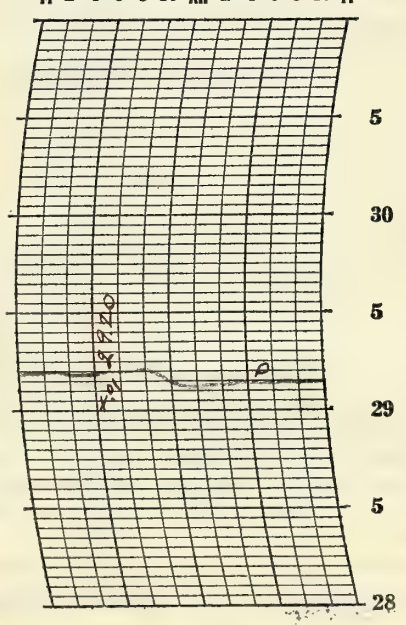
THERMOGRAPH




THERMOGRAPH




BAROGRAPH.




Prepared by R.E.L.

Verified by L.C.S.

8—486

## NOTES

Lying conditions excellent all day.

Form No. 1014—Met'l

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Monday, (Date) JAN 16 1933, 193

Time (local standard) 90 mer. normal time.

| | A.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 | P.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Temperature at end of hour | 37 | 37 | 37 | 38 | 38 | 39 | 40 | 41 | 42 | 46 | 48 | 48 | 48 | 48 | 47 | 46 | 46 | 46 | 47 | 47 | 47 | 47 | 48 | 48 |
| State of weather. Nature of precipitation and time of beginning and ending | | | | | | | RB 600 RE 6:20 | | | | RB 1045 RE 10:50 | | | | | | | | | | | | | |
| Amounts of precipitation | | | | | | | T | | | | T | | | | | | | | | | | | | |
| Cloudiness and other conditions | | | | | < | | | | | | Cloudy | | | | | | | | | | | > | | |
| Sunshine (in tenths of hours) | | | | | | | 0 | 0 | 0 | 0 | 0.2 | 0 | 0 | 0.1 | 0 | 0 | | | | | | | | |
| Wind direction | S | S | S | S | S | S | S | S | S | S | SW | SW | S | S | S | SW | SW | SW | SW | SW | SW | SW | SW | SW |
| Wind movement | 7 | 7 | 10 | 10 | 10 | 9 | 9 | 10 | 12 | 13 | 15 | 18 | 18 | 16 | 18 | 18 | 17 | 18 | 18 | 18 | 16 | 15 | 15 | 13 |
| Maximum velocities (exceeding 24 miles) direction and time | | | | | | | | | | | | | | | | | | | | | | | | |

Sunrise: Time, 7:04 Character, Cloudy. Moonrise: ---- ----. Momentarily clear.

Sunset: Time, 4:39 Character, Cloudy. Moonset: ---- ----.

Wind data corrected to true velocity.

| Total duration. From— | To— | Total amount of precipitation. | Excessive rate. Began— | Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | | | | | |

Excessive precipitation, accumulated amounts

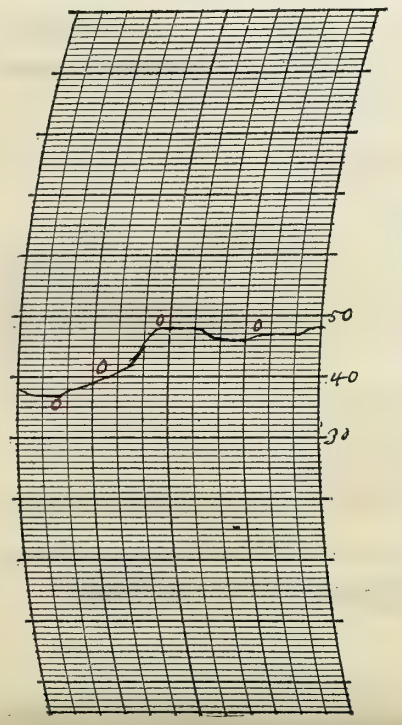
| Maximum Temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 48 | 37 | 42 | |

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., T ins.; to 7 p. m., T ins.
Total precipitation, midnight to midnight, T inches.
Character of day, Cloudy Moon phase, ----
Average daily cloudiness (0-10), 10
Actual sunshine, hours, 0.3 Possible sunshine, hours, 9.6
Per cent of possible sunshine, 3
Prevailing wind direction, S Total wind, 390
Average hourly velocity, 13.8 Extreme velocity, 23
Maximum velocity, 21 Direction, SW
Time began, 6:23 P.M.
Reduced barometer, 30.07 7 a. m. 29.95 7 p. m.
River gage, 2.2 feet
Relative humidity, 76 7 a. m. 83 7 p. m.

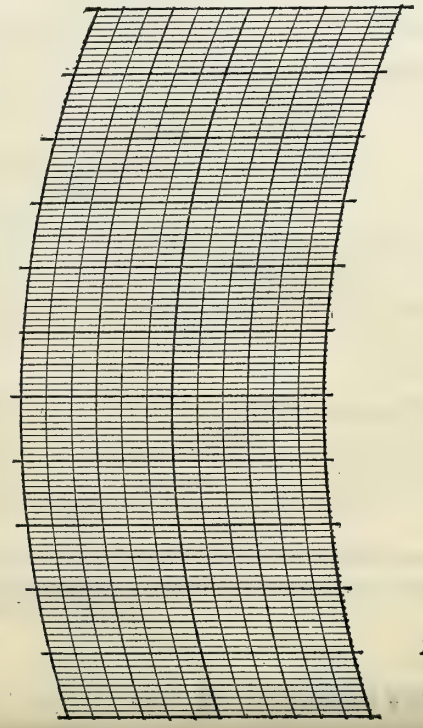
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 48.0 Wet temperature, 41.7
Dew-point, 34 R. humidity, 58 V. pressure, 29.95
Clouds: Amount, 10; Kind, St Cu; Direction, NW
Velocity of clouds (miles per hour)

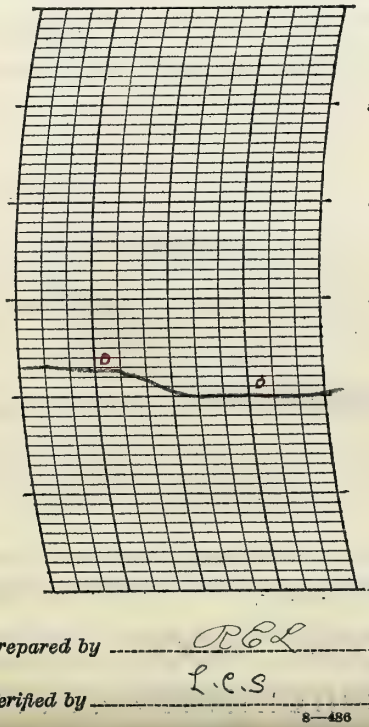
THERMOGRAPH




THERMOGRAPH




BAROGRAPH.




Prepared by R.E.L.

Verified by L.C.S.

8—486

## NOTES

Lying conditions good to very good. Visibility about three to five miles.

Form No. 1014—Met'1

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Tuesday, (Date) JAN 17 1933, 193

Time (local standard) 90 mer. normal time.

| | A.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 | P.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Temperature at end of hour | 48 | 48 | 46 | 43 | 39 | 36 | 36 | 36 | 36 | 36 | 36 | 35 | 36 | 36 | 37 | 37 | 36 | 35 | 34 | 33 | 32 | 32 | 33 | 33 |
| State of weather. Nature of precipitation and time of beginning and ending | | | | | | | | | | | | | | | | | | | | | | | | |
| Amounts of precipitation | | | | | | | | | | | | | | | | | | | | | | | | |
| Cloudiness and other conditions | | | | | ← | | | | | Cloudy | | | | | | | | × | Clear | | | | | |
| Sunrise: Time, Character, 7:03 Cloudy. Moonrise: | | | | | | | | | | | | | | | | | | | | | Sunset: Time, Character, 4:40 Cloudy. Moonset: | | | |
| Sunshine (in tenths of hours) | | | | | | | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | | |
| Wind direction | W | W | W | W | W | W | W | W | W | W | W | W | W | W | W | W | W | W | W | W | W | W | W | W |
| Wind movement | 12 | 15 | 14 | 12 | 12 | 12 | 10 | 11 | 12 | 15 | 12 | 12 | 12 | 12 | 12 | 9 | 7 | 7 | 6 | 6 | 5 | 4 | 4 | 4 |
| Maximum velocities (exceeding 24 miles) direction and time | | | | | | | | | | | | | | | | | | | | | | | | |

Wind data corrected to true velocity.

| | Total duration. From— | To— | Total amount of precipitation. | Excessive rate. Began— | Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Excessive precipitation, accumulated amounts | | | | | | | | | | | | | | | | | | | | |

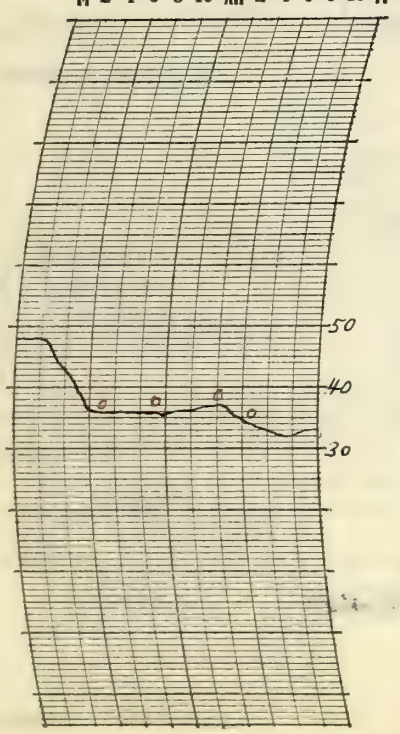
| Maximum Temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 48 | 32 | 40 | |

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Cloudy Moon phase,
Average daily cloudiness (0-10), 10
Actual sunshine, hours, 0.0 Possible sunshine, hours, 9.6
Per cent of possible sunshine, 0
Prevailing wind direction, W Total wind, 237
Average hourly velocity, 9.9 Extreme velocity, 19
Maximum velocity, 18 Direction, W
Time began, 9:23 a.m.
Reduced barometer, 30.08 7 a. m. 30.15 7 p. m.
River gage, 2.1 feet
Relative humidity, 88 7 a. m. 86 7 p. m.

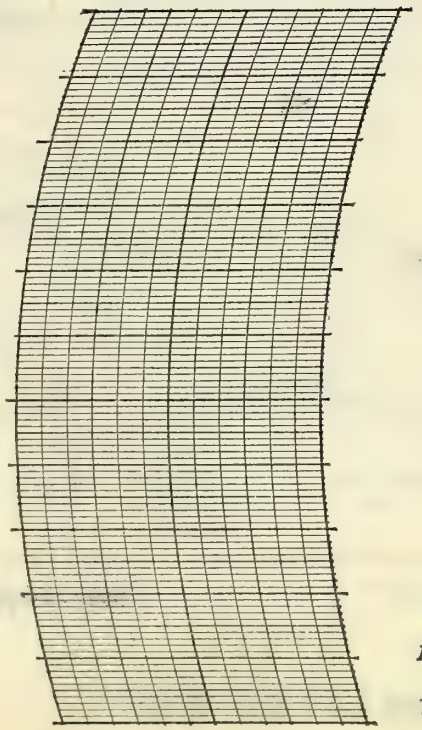
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 35.4 Wet temperature, 33.9
Dew-point, 31 R. humidity, 86 V. pressure, 172
Clouds: Amount, 10; Kind, St; Direction, W
Velocity of clouds (miles per hour)

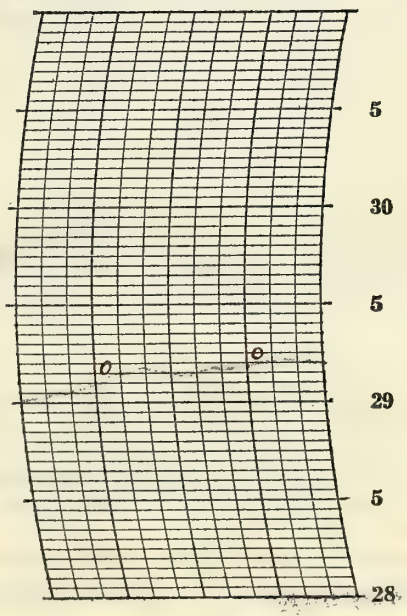
THERMOGRAPH




THERMOGRAPH




BAROGRAPH.




Prepared by R E L

Verified by L. L. S.

8—486

## NOTES

Flying conditions fair to good.

Form No. 1014—Met'1

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Wednesday, (Date) JAN 18 1933, 193

Time (local standard) 90 mer. normal time.

| | A.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 | P.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Temperature at end of hour | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 33 | 34 | 35 | 36 | 36 | 38 | 38 | 38 | 40 | 40 | 41 | 45 | 48 | 52 | 56 | 56 |
| State of weather. Nature of precipitation and time of beginning and ending | | S1 B DNA S1 E | | DNA | | | | R B 7.25 R E 8.00 | R mist B 8.45 | | | | | R mist E 2:00 | | | R B 4:10 | | | | | | | |
| Amounts of precipitation | | T | | | | | | T | T | T | T | T | T | T | | | | | | | | | | |
| Cloudiness and other conditions | | | | | | | | | | | | Light fog Cloudy | | | | | | | | | Moderate to heavy fog. | | | |
| Sunshine (in tenths of hours) | | | | | | | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | | |
| Wind direction | NW | NW | NW | NW | NE | E | SE | E | E | E | E | E | E | E | E | E | E | E | E | SE | SE | S | S | SW |
| Wind movement | 4 | 4 | 4 | 5 | 5 | 7 | 9 | 8 | 9 | 8 | 8 | 8 | 10 | 9 | 7 | 9 | 9 | 7 | 11 | 10 | 11 | 12 | 20 26 10:50 | 20 |
| Maximum velocities (exceeding 24 miles) direction and time | | | | | | | | | | | | | | | | | | | | | | | | |

Sunrise: Time, 7:03 Character, Cloudy. Moonrise: ---- ----

Sunset: Time, 4:41 Character, Cloudy. Moonset: ---- ----

| Maximum Temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 56 | 32 | 44 | |

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., T ins.; to 7 p. m., 0.20 ins.
Total precipitation, midnight to midnight, 0.70 inches.
Character of day, Cloudy. Moon phase, ----
Average daily cloudiness (0-10), 10
Actual sunshine, hours, 0 Possible sunshine, hours, 9.6
Per cent of possible sunshine, 0
Prevailing wind direction, E Total wind, 214
Average hourly velocity, 8.9 Extreme velocity, 28
Maximum velocity, 26 Direction, S
Time began, 10:50 P.M.
Reduced barometer, 30.10 7 a. m. 29.78 7 p. m.
River gage, 2.0 feet
Relative humidity, 88 7 a. m. 96 7 p. m.

Wind data corrected to true velocity.

| Total duration. From— | To— | Total amount of precipitation. | Excessive rate. Began— | Ended— | Amount before excessive began. |
|---|---|---|---|---|---|
| | | | | | |

Accumulated depths during excessive rate, for consecutive periods of time indicated below.

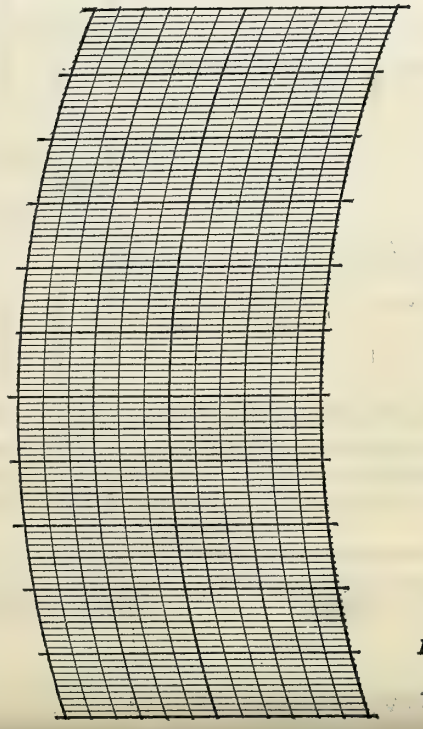
| 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | |

Excessive precipitation, accumulated amounts

OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 35.5 Wet temperature, 34.0
Dew-point, 32 R. humidity, 86 V. pressure, 180
Clouds: Amount, 10; Kind, St-Fog, Direction, E
Velocity of clouds (miles per hour)

THERMOGRAPH
M 2 4 6 8 10 XII 2 4 6 8 10 M
60 50 40 30




BAROGRAPH.
M 2 4 6 8 10 XII 2 4 6 8 10 M
5 30 5 29 5 28

Prepared by R C L

Verified by L. C. S.

8—486

## NOTES

Visibility limited by light fog, mist or rain. Ceilings ample for flying most of the day. Winds increasing during the night.

Form No. 1014—Met'1

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Thursday, (Date) JAN 19 1933, 193

Time (local standard) 90 mer. normal time.

| | A.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 | P.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Temperature at end of hour | 55 | 55 | 54 | 56 | 56 | 55 | 54 | 52 | 50 | 49 | 47 | 45 | 44 | 45 | 44 | 43 | 40 | 38 | 37 | 35 | 34 | 33 | 33 | 32 |
| State of weather. Nature of precipitation and time of beginning and ending | | | | | RE DNA | | | | | | | | | | | | | | | | | | | |
| Amounts of precipitation | Mod to Heavy | | | | | | | | | | | | | | | | | | | | | | | |
| Cloudiness and other conditions | Cloudy | | | | | Part Cloudy | | | | | | | Clear | | | | | | | | | | | |
| Sunshine (in tenths of hours) | | | | | | | | .97 0 | 0.4 0.6 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | .50 0.2 | | | | | | | |
| Wind direction | SW | SW | SW | SW | SW | SW | SW | SW | SW | SW | SW | W | W | W | W | W | W | W | W | W | W | W | W | W |
| Wind movement | 15 | 13 | 18 | 18 | 24 | 25 | 20 | 21 | 24 | 24 | 28 | 28 | 24 | 27 | 25 | 26 | 24 | 22 | 23 | 19 | 18 | 18 | 17 | 16 |
| Maximum velocities (exceeding 24 miles) direction and time | | | | | 29 SW 4:34 | 34 SW 5:51 | 25 SW 6:47 | | 25 SW 8:42 | 30 SW 9:53 | 32 SW 10:00 | 35 W 11:10 | 29 W 12:05 | 32 W 1:16 | 29 W 2:52 | 29 W 3:39 | 29 W 4:37 | 25 W 5:34 | 26 W 6:05 | | | | | |

Sunrise: Time, 7:02 Character, Clear. Moonrise: ---- ----

Sunset: Time, 4:42 Character, Clear. Moonset: ---- ----

| Maximum Temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 56 | 32 | 44 | |

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0.86 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0.36 inches.
Character of day, Clear Moon phase, ----
Average daily cloudiness (0-10), 1
Actual sunshine, hours, 9.7 Possible sunshine, hours, 9.7
Per cent of possible sunshine, 100
Prevailing wind direction, W Total wind, 517
Average hourly velocity, 21.5 Extreme velocity, 38
Maximum velocity, 35 Direction, W
Time began, 11:10 a.m.
Reduced barometer, 29.55 7 a. m. 29.96 7 p. m.
River gage, 4.7 feet
Relative humidity, 57 7 a. m. 53 7 p. m.

Wind data corrected to true velocity.

Excessive precipitation, accumulated amounts

| Total duration. From— | To— | Total amount of precipitation. | Excessive rate. Began— | Ended— | Amount before excessive began. |
|---|---|---|---|---|---|
| | | | | | |

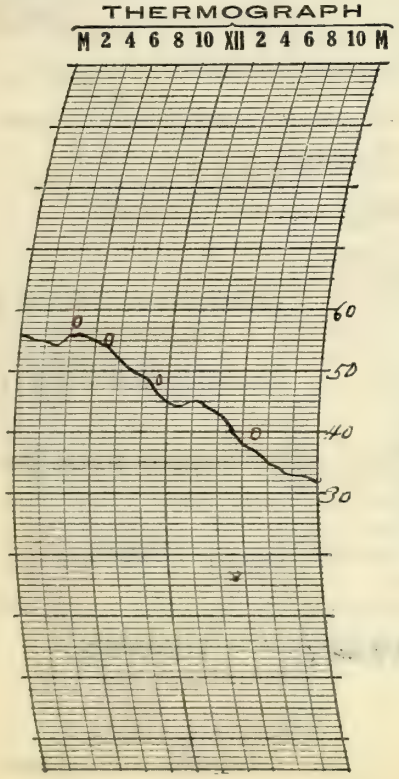
Accumulated depths during excessive rate, for consecutive periods of time indicated below.

| 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | |

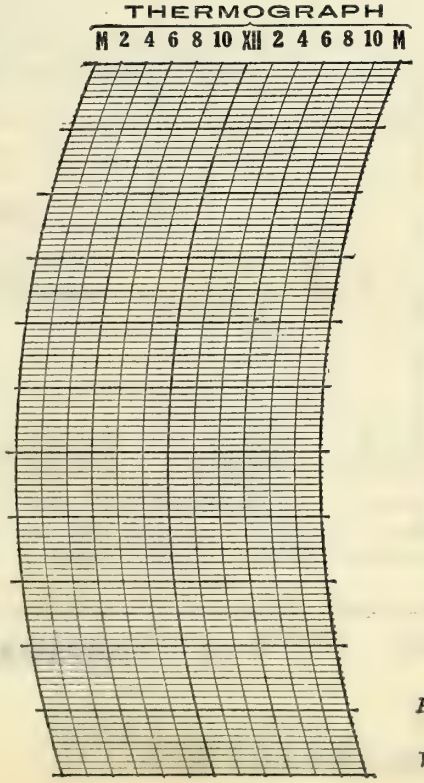
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 45.0 Wet temperature, 38.0
Dew-point, 29 R. humidity, 52 V. pressure, 1.157
Clouds: Amount, Few; Kind, Cu; Direction, SW
Velocity of clouds (miles per hour)

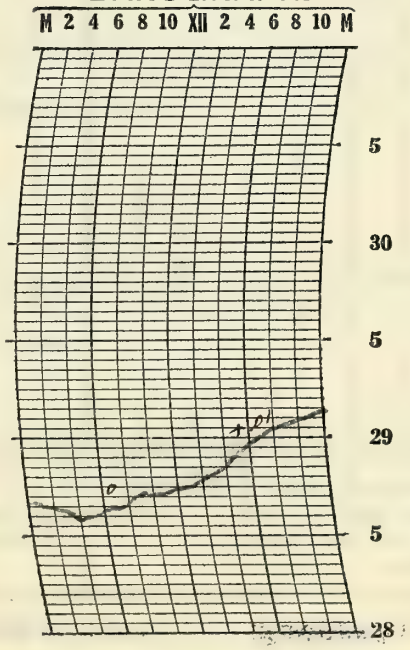
THERMOGRAPH




THERMOGRAPH




BAROGRAPH.




Prepared by R E L

Verified by L. C. S.

8—486

## NOTES

Visibility and ceilings excellent & unlimited, however, flying was dangerous because of strong, gusty winds.

Form No. 1014—Met'1

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Friday, (Date) JAN 20 1933, 193

| Time (local standard) 90 mer. normal time. | A.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 | P.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Temperature at end of hour | 32 | 31 | 31 | 30 | 29 | 28 | 28 | 28 | 30 | 33 | 34 | 36 | 37 | 38 | 39 | 40 | 37 | 38 | 38 | 38 | 39 | 39 | 39 | 39 |
| State of weather. Nature of precipitation and time of beginning and ending | | | | | | | | | | | | | | | | | | | | | | | | |
| Amounts of precipitation | | | | | | | | | | | | | | | | | | | | | | | | |
| Cloudiness and other conditions | | | | | | Clear | | | | → | | | Cloudy | | | | | | | | | A+707 | | |
| Sunshine (in tenths of hours) | | | | | | | | .88 0.1 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 0.6 | 0 | 0 | 0 | | | | | | | |
| Wind direction | W | W | W | W | W | W | W | W | W | SW | SW | SW | SW | SW | S SW | S SW NW | S | S | SE | SE | S | S | SE | S |
| Wind movement | 17 | 14 | 15 | 11 | 10 | 9 | 8 | 6 | 7 | 7 | 8 | 7 | 9 | 9 | 9 | 7 | 6 | 6 | 7 | 7 | 10 | 10 | 7 | 7 |
| Maximum velocities (exceeding 24 miles) direction and time | | | | | | | | | | | | | | | | | | | | | | | | |

Sunrise: Time, 7:01 Character, Clear
Moonrise: ---- ----

Sunset: Time, 4:43 Character, Cloudy
Moonset: ---- ----

Wind data corrected to true velocity.

| Total duration. From— | To— | Total amount of precipitation. | Excessive rate. Began— | Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | | | | | |

Excessive precipitation, accumulated amounts

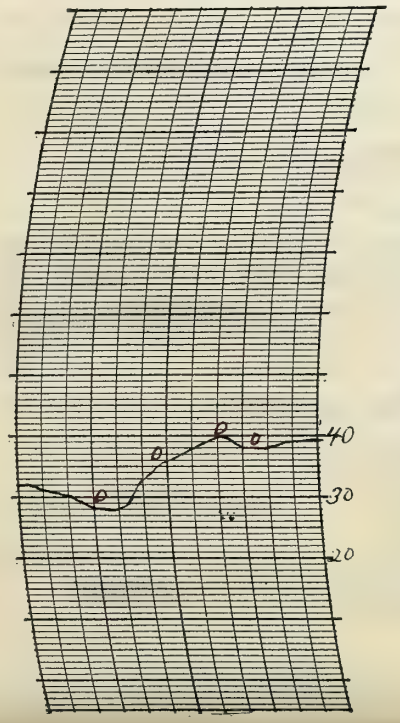
| Maximum Temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 40 | 28 | 34 | |

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Part Cloudy Moon phase, ----
Average daily cloudiness (0-10), 6
Actual sunshine, hours, 6.6 Possible sunshine, hours, 9.7
Per cent of possible sunshine, 68
Prevailing wind direction, W Total wind, 215
Average hourly velocity, 9.0 Extreme velocity, 18
Maximum velocity, 17 Direction, W
Time began, 12:43 a.m.
Reduced barometer, 30.20 7 a. m. 30.07 7 p. m.
River gage, 8.7 feet
Relative humidity, 79 7 a. m. 60 7 p. m.

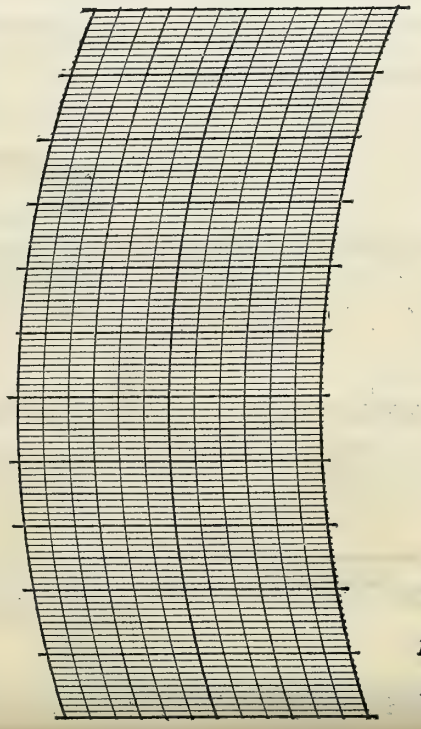
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 35.8 Wet temperature, 30.8
Dew-point, 23 R. humidity, 56 V. pressure, 118
Clouds: Amount, 4 CU; Kind, A St; Direction, W
Velocity of clouds (miles per hour)

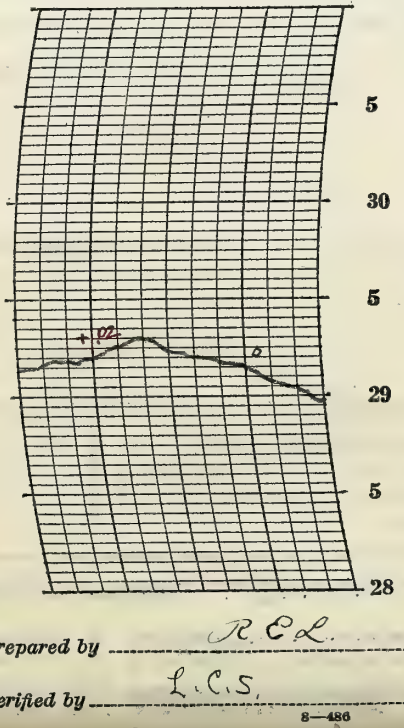
THERMOGRAPH




THERMOGRAPH




BAROGRAPH.




Prepared by R. E. L.

Verified by L. C. S.

8—486

## NOTES

Solar halo 11:20 A.M. to 1:30 P.M.

Flying conditions excellent.

Form No. 1014—Met'1

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Saturday, (Date) JAN 21 1933, 193

Time (local standard) 90 mer. normal time.

| | A.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 | P.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Temperature at end of hour | 40 | 41 | 42 | 42 | 42 | 42 | 43 | 43 | 44 | 46 | 46 | 47 | 48 | 50 | 50 | 50 | 50 | 51 | 51 | 52 | 53 | 54 | 55 | 56 |
| State of weather. Nature of precipitation and time of beginning and ending | R Mist B | | 0 NA | | | | | R Mist E 7:15 | | | | | | | | | R Mist B 4:40 | | | | | | | |
| Amounts of precipitation | | | | T | T | T | T | T | | | | | | | | | T | T | T | Moderate to heavy | | | | |
| Cloudiness and other conditions | | | | DNA | Dense Fog | | | | × | | Light Fog | | Cloudy | | | × | | Dense Fog | | | | | | |
| Sunshine (in tenths of hours) | | | | | | | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | | |
| Wind direction | S | SW | SW | SW | SW | SW | SW | SW | S | SE | S | S | S | S | S | S | S | S | S | SE | SE | SE | SE | S |
| Wind movement | 8 | 8 | 7 | 8 | 7 | 6 | 5 | 5 | 8 | 8 | 9 | 8 | 4 | 2 | 5 | 5 | 4 | 5 | 6 | 7 | 7 | 7 | 6 | 7 |
| Maximum velocities (exceeding 24 miles) direction and time | | | | | | | | | | | | | | | | | | | | | | | | |

Sunrise: Time, 7:01 Character, Foggy

Moonrise:

Sunset: Time, 4:44 Character, Foggy

Moonset

Wind data corrected to true velocity.

| Total duration. From— | To— | Total amount of precipitation. | Excessive rate. Began— | Ended— | Amount before excessive began. |
|---|---|---|---|---|---|
| | | | | | |

Excessive precipitation, accumulated amounts

Accumulated depths during excessive rate, for consecutive periods of time indicated below.

| 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | |

| Maximum Temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 56 | 39 | 48 | |

Total depth of snow for 24 hours ending 7 p. m., 0 inches.

Snow, sleet, and hail on ground 7 p. m., 0 inches.

Total snowfall, midnight to midnight, 0 inches.

Precipitation to 7 a. m., T ins.; to 7 p. m., T ins.

Total precipitation, midnight to midnight, .20 inches.

Character of day, Cloudy Moon phase,

Average daily cloudiness (0-10), 10

Actual sunshine, hours, 0 Possible sunshine, hours, 9.7

Per cent of possible sunshine, 0

Prevailing wind direction, S Total wind, 152

Average hourly velocity, 6.3 Extreme velocity, 13

Maximum velocity, 13 Direction, S

Time began, 12:54 a.m.

Reduced barometer, 29.89 7 a. m. 29.72 7 p. m.

River gage, 7.3 feet

Relative humidity, 100 7 a. m. 100 7 p. m.

OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

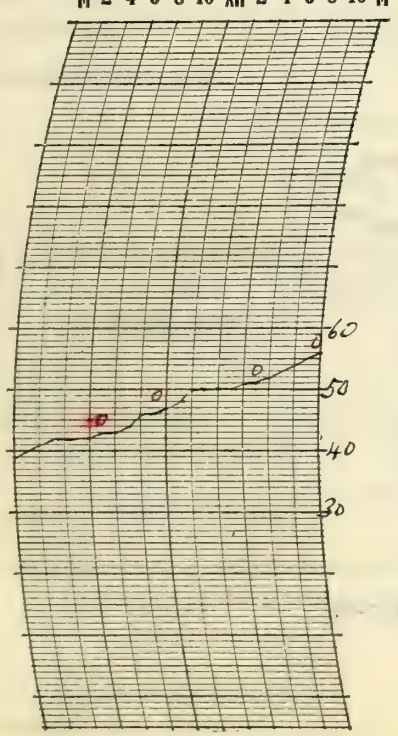
Dry temperature, 47.0 Wet temperature, 46.9

Dew-point, 47 R. humidity, 99 V. pressure, 322

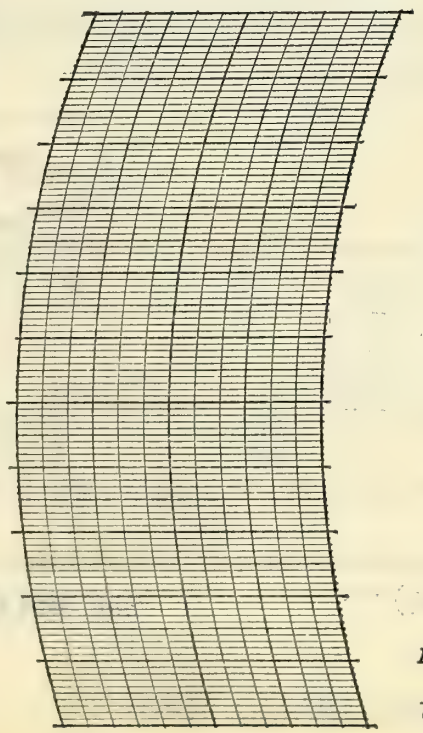
Clouds: Amount, 10; Kind, St-Cu; Direction,

Velocity of clouds (miles per hour)

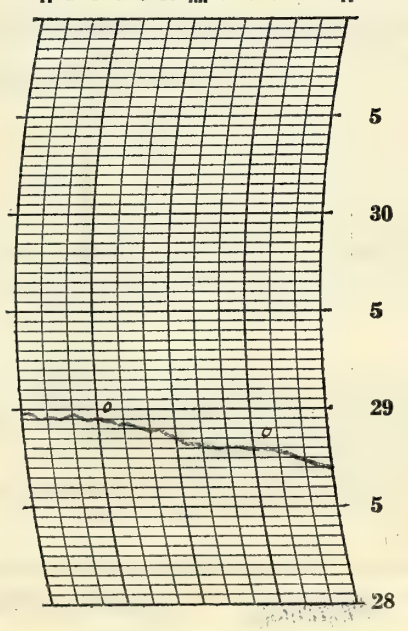
THERMOGRAPH




THERMOGRAPH




BAROGRAPH.




Prepared by R.G.L.

Verified by L.P.S.

8—486

## NOTES

Visibility and ceilings zero to poor.

Form No. 1014—Met'l

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Sunday, (Date) JAN 22 1933, 193

Time (local standard) 90° mer. normal time.

| | A.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 | P.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Temperature at end of hour | 56 | 55 | 55 | 55 | 54 | 54 | 55 | 57 | 62 | 59 | 58 | 57 | 57 | 56 | 56 | 55 | 54 | 53 | 51 | 49 | 48 | 46 | 44 | 44 |
| State of weather. Nature of precipitation and time of beginning and ending | | | | RE | DNA | | | | RB 8:00 RE 8:30 | RB 9:35 RE 9:50 | | RB 11:03 RE 11:15 | | | | | | | | | | RB | DN RE | ? DN? |
| Amounts of precipitation | | | | | | | | | T | .05 | | T | | | | | | | | | | | | T |
| Cloudiness and other conditions | Mod to Heavy Fog | | E | DNA | | | | | | | | Cloudy | | | | | | | | | | | | |
| Sunshine (in tenths of hours) | | | | | | | | 0 | 0.3 | 0.3 | 0.7 | 0.7 | 1.0 | 1.0 | 0.3 | 0 | 0 | | | | | | | |
| Wind direction | S | S | SW | SW | SE | S | S | S | S | SW | SW | SW | SW | SW | SW | SW | SW | W | W | W | W | W | W | W |
| Wind movement | 8 | 12 | 7 | 5 | 8 | 10 | 13 | 14 | 19 | 25 | 18 | 22 | 24 | 30 | 23 | 24 | 21 | 26 | 25 | 20 | 18 | 22 | 18 | 14 |
| Maximum velocities (exceeding 24 miles) direction and time | | | | | | | | | | 27 SW 9:35 | | 28 W 11:03 | 29 SW 12:23 | 34 SW 1:32 | 29 SW 2:06 | 26 SW 3:54 | 26 W 4:48 | 28 W 5:43 | 26 W 6:30 | | | | | |

Sunrise: Time, 7:00 Character, Cloudy. Moonrise: ---- ----

Sunset: Time, 4:46 Character, Cloudy. Moonset: ---- ----

Wind data corrected to true velocity.

| Total duration. From— | To— | Total amount of precipitation. | Excessive rate. Began— | Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | | | | | |

Excessive precipitation, accumulated amounts

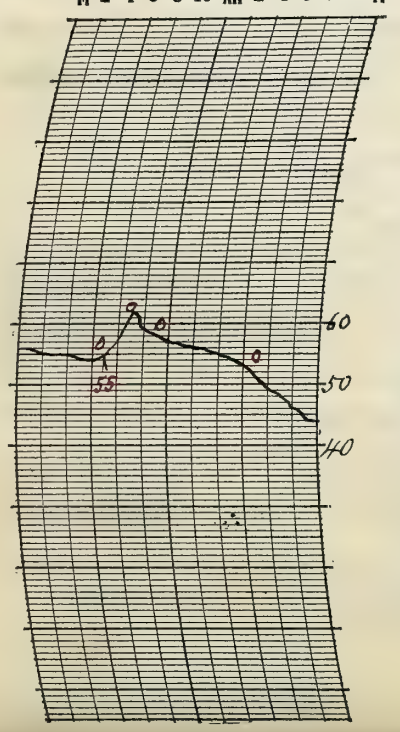
| Maximum Temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 62 | 44 | 53 | |

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., .42 ins.; to 7 p. m., .05 ins.
Total precipitation, midnight to midnight, .27 inches.
Character of day, Cloudy. Moon phase, ----
Average daily cloudiness (0-10), 9
Actual sunshine, hours, 4.3 Possible sunshine, hours, 9.8
Per cent of possible sunshine, 44
Prevailing wind direction, SW Total wind, 426
Average hourly velocity, 17.8 Extreme velocity, 38
Maximum velocity, 34 Direction, SW
Time began, 1:32 P.M.
Reduced barometer, 29.39 7 a. m. 29.54 7 p. m.
River gage, 5.9 feet
Relative humidity, 94 7 a. m. 69 7 p. m.

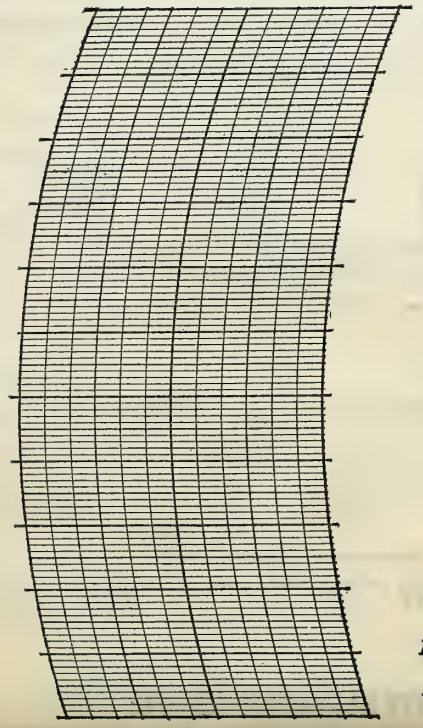
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 57.0 Wet temperature, 48.0
Dew-point, 39 R. humidity, 51 V. pressure, 237
Clouds: Amount, 9; Kind, StCu; Direction, SW
Velocity of clouds (miles per hour) ----

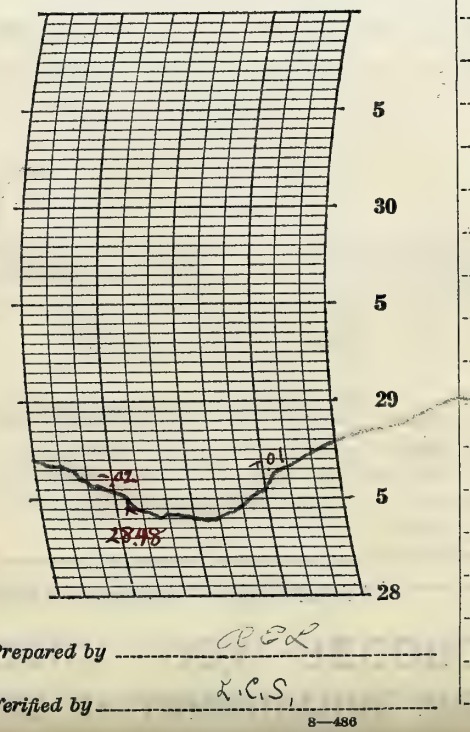
THERMOGRAPH




THERMOGRAPH




BAROGRAPH.




Prepared by RER

Verified by L.C.S.

8—486

## NOTES

Ceilings ample for flying but winds were strong and gusty. The air was very dusty during midday cutting down visibility. The dust was evidently transported east from the great plains region in the storm.

Form No. 1014—Met'1

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Monday, (Date) JAN 23 1933, 193

Time (local standard) 90 mer. normal time.

| | A.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 | P.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Temperature at end of hour | 44 | 43 | 43 | 42 | 42 | 42 | 41 | 40 | 40 | 40 | 41 | 43 | 44 | 46 | 47 | 46 | 44 | 43 | 42 | 40 | 40 | 38 | 37 | 37 |
| State of weather. Nature of precipitation and time of beginning and ending | | | | | | | | | | | | | | | | | | | | | | | | |
| Amounts of precipitation | | | | | | | | | | | | | | | | | | | | | | | | |
| Cloudiness and other conditions | | | | | Cloudy | | | | | | | Part Cloudy | Clear | | | | | | | | | | | |
| Sunshine (in tenths of hours) | | | | | | | 0 | 0 | 0 | 0 | 0.3 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | .58 0.2 | | | | | | | |
| Wind direction | W | NW | W | W | NW | W | W | NW | NW | NW | W | NW | NW | NW | NW | NW | NW | NW | NW | NW | NW | NW | NW | NW |
| Wind movement | 13 | 11 | 11 | 9 | 8 | 6 | 6 | 6 | 7 | 7 | 6 | 7 | 7 | 7 | 7 | 6 | 6 | 4 | 4 | 2 | 3 | 3 | 2 | 2 |
| Maximum velocities (exceeding 24 miles) direction and time | | | | | | | | | | | | | | | | | | | | | | | | |

Sunrise: Time 6.59, Character Cloudy. Moonrise: Time ____, Character ____.

Sunset: Time 4:47, Character Clear. Moonset: Time ____, Character ____.

Wind data corrected to true velocity.

| Total duration. From— | To— | Total amount of precipitation. | Excessive rate. Began— | Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | | | | | |

Excessive precipitation, accumulated amounts ____

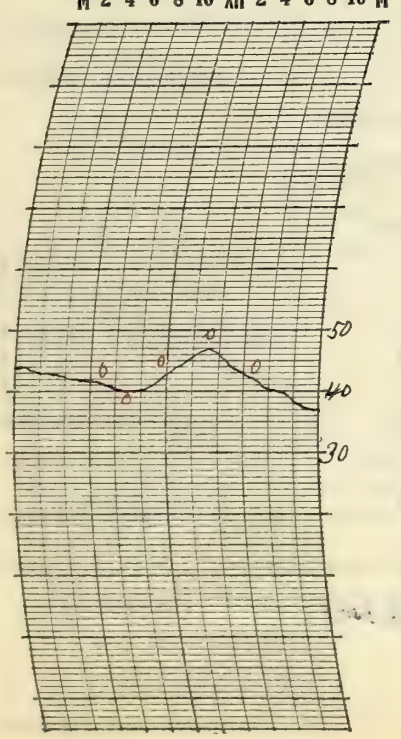
| Maximum Temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 47 | 37 | 42 | |

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., T ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Part Cloudy Moon phase, ____
Average daily cloudiness (0-10), 5
Actual sunshine, hours, 6.1 Possible sunshine, hours, 9.8
Per cent of possible sunshine, 62
Prevailing wind direction, NW Total wind, 150
Average hourly velocity, 6.2 Extreme velocity, 15
Maximum velocity, 14 Direction, W
Time began, 12:17 a.m.
Reduced barometer, 29.87 7 a. m. 30.03 7 p. m.
River gage, 8.1 feet
Relative humidity, 85 7 a. m. 55 7 p. m.

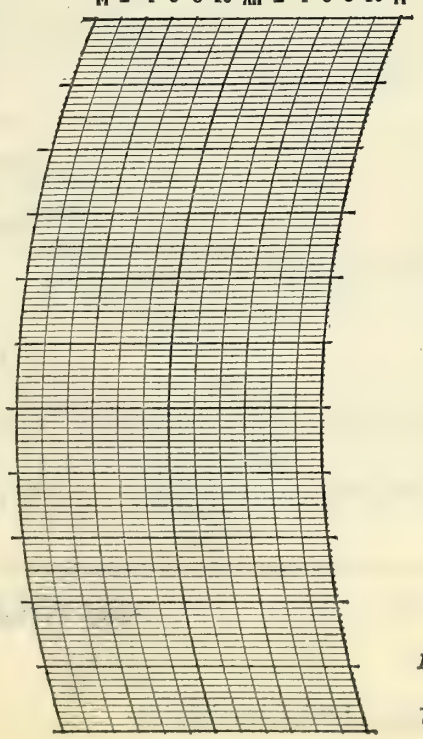
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 43.2 Wet temperature, 38.2
Dew-point, 31 R. humidity, 63 V. pressure, 172
Clouds: Amount, 4/2 ei Cu; Kind, Sc Cu; Direction, W
Velocity of clouds (miles per hour) ____

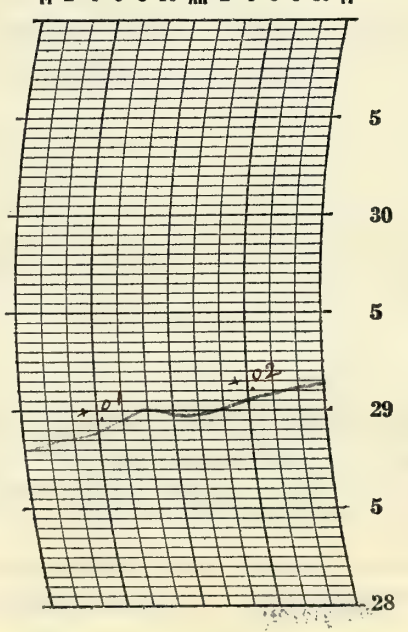
THERMOGRAPH




THERMOGRAPH




BAROGRAPH.




Prepared by R E L

Verified by L. C. S.

8—486

## NOTES

Thick haze from DNA to 11:00 A
Flying conditions good to very good.

Form No. 1014—Met'1

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Tuesday, (Date) JAN 24 1933, 193

Time (local standard) 90 mer. normal time.

| | A.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 | P.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Temperature at end of hour (37) | 35 | 35 | 34 | 33 | 32 | 32 | 31 | 30 31 | 34 | 38 | 41 | 43 | 45 | 47 | 48 | 49 | 46 | 43 | 42 | 40 | 38 | 38 | 38 | 36 |
| State of weather: Nature of precipitation and time of beginning and ending | | | | | | | | | | | | | | | | | | | | | | | | |
| Amounts of precipitation | | | | | | | | | | | | | | | | | | | | | | | | |
| Cloudiness and other conditions | | | | < | | | | | | | Clear | | | | | | | | | | → | | | |
| Sunshine (in tenths of hours) | | | | | | | .02 0 | 1.0 0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 0.1 | | | | | | | |
| Wind direction | NW | NW | NW | N | NE | E | E | E | E | E | SE | SE | E | SE | SE | SE | E | E | E | E | E | E | E | E |
| Wind movement | 4 | 3 | 2 | 5 | 5 | 6 | 5 | 6 | 9 | 11 | 13 | 13 | 13 | 12 | 14 | 11 | 10 | 9 | 12 | 11 | 8 | 8 | 7 | 5 |
| Maximum velocities (exceeding 24 miles) direction and time | | | | | | | | | | | | | | | | | | | | | | | | |

Sunrise: Time, 6:59 Character, Clear
Moonrise: ---- ----
Sunset: Time, 4:48 Character, Cloudy
Moonset: ---- ----

Wind data corrected to true velocity.

| Total duration. From— | To— | Total amount of precipitation. | Excessive rate. Began— | Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | | | | | |

Excessive precipitation, accumulated amounts

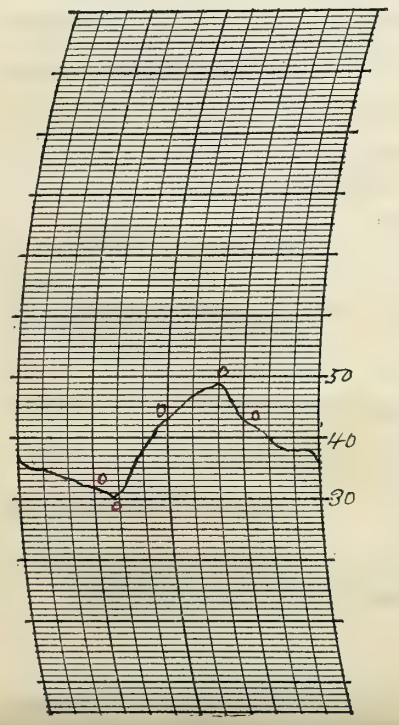
| Maximum Temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 49 | 30 | 40 | |

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Clear Moon phase, ----
Average daily cloudiness (0-10), 1
Actual sunshine, hours, 9.1 Possible sunshine, hours, 9.8
Per cent of possible sunshine, 93
Prevailing wind direction, E Total wind, 202
Average hourly velocity, 8.4 Extreme velocity, 16
Maximum velocity, 16 Direction, SE
Time began, 2:20 P.m.
Reduced barometer, 30.15 7 a. m. 29.95 7 p. m.
River gage, 6.8 feet
Relative humidity, 74 7 a. m. 63 7 p. m.

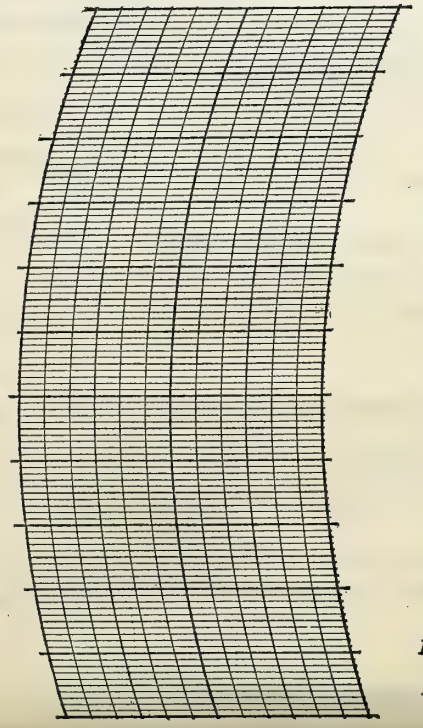
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 43.3 Wet temperature, 37.2
Dew-point, 29 R. humidity, 56 V. pressure, 157
Clouds: Amount, 7 cu; Kind, Ci; Direction, W
Velocity of clouds (miles per hour)

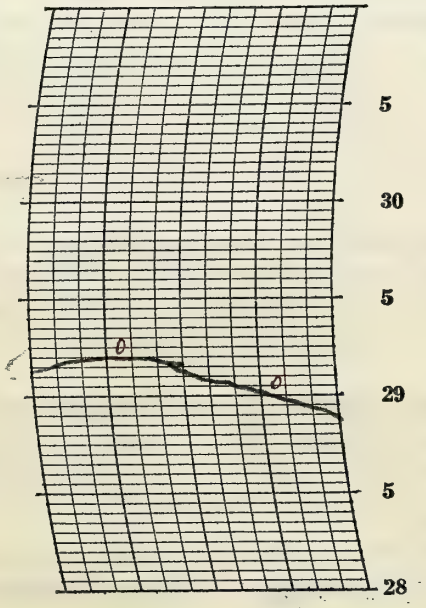
THERMOGRAPH




THERMOGRAPH




BAROGRAPH.




Prepared by RCL

Verified by E.C.S

8—486

## NOTES

Unlimited ceilings with good visibility. (3565 m.)

Form No. 1014—Met'1

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(Station) Fort Wayne. Ind., (Day of week) Wednesday, (Date) JAN 25 1933, 193

Time (local standard) 90 mer. normal time.

| | A.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 | P.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Temperature at end of hour | 36 | 36 | 36 | 36 | 35 | 34 | 35 | 34 | 35 | 36 | 37 | 39 | 43 | 45 (46) | 44 | 44 | 44 | 43 | 43 | 42 | 42 | 42 | 41 | 40 |
| State of weather. Nature of precipitation and time of beginning and ending | | | | | | | | | | | | | | | | | | | | | | | | |
| Amounts of precipitation | | | | | | .02 | .01 | .04 | .05 | .05 | T | T | .01 | | | | | | | | | | | |
| Cloudiness and other conditions | | | | ← Snow → | | | | | | | Cloudy → | | | | | | | | | | | | | |
| Sunshine (in tenths of hours) | | | | | | | 0 | 0 | 0 | 0 | 0 | 0 | 0.8 | 1.0 | 0.5 | 0 | 0 | | | | | | | |
| Wind direction | NE | NE | NE | NE | NE | NE | NE | NE | NE | NE | NE | W | NW | NW | NW | NW | NW | NW | NW | NW | NW | NW | NW | NW |
| Wind movement | 6 | 6 | 5 | 5 | 6 | 6 | 7 | 8 | 12 | 6 | 5 | 6 | 7 | 7 | 9 | 9 | 7 | 8 | 7 | 6 | 9 | 8 | 7 | 7 |
| Maximum velocities (exceeding 24 miles) direction and time | | | | | | | | | | | | | | | | | | | | | | | | |

Sunrise: Time, 6:58 Character, Cloudy. Moonrise: ____ ____

Sunset: Time, 4:49 Character, Cloudy. Moonset: ____ ____

Wind data corrected to true velocity.

Excessive precipitation, accumulated amounts

| Total duration. From— | To— | Total amount of precipitation. | Excessive rate. Began— | Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | | | | | |

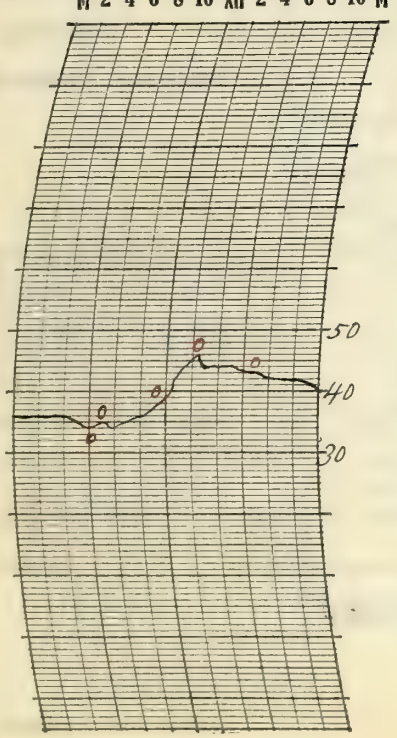
| Maximum Temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 46 | 34 | 40 | |

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., .03 ins.; to 7 p. m., .15 ins.
Total precipitation, midnight to midnight, .18 inches.
Character of day, Cloudy Moon phase, ____
Average daily cloudiness (0-10), 10
Actual sunshine, hours, 2.3 Possible sunshine, hours, 9.8
Per cent of possible sunshine, 23
Prevailing wind direction, NW Total wind, 169
Average hourly velocity, 7.0 Extreme velocity, 13
Maximum velocity, 13 Direction, NE
Time began, 8:49 a.m.
Reduced barometer, 29.65 7a. m. 29.78 7p. m.
River gage, 5.9 feet
Relative humidity, 84 7a. m. 91 7p. m.

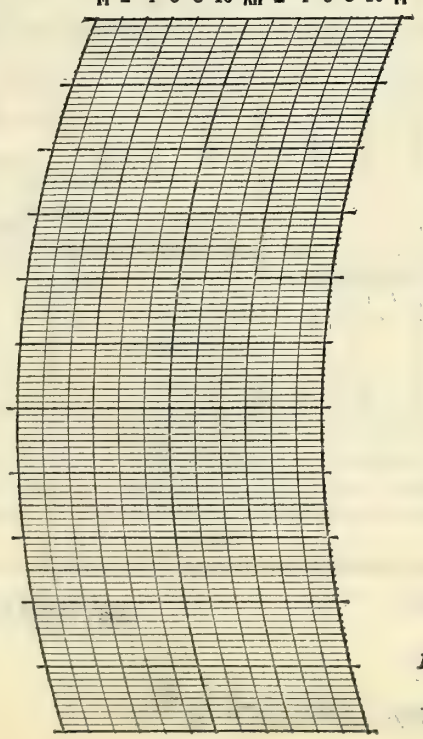
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 38.7 Wet temperature, 37.7
Dew-point, 37 R. humidity, 92 V. pressure, .219
Clouds: Amount, 10; Kind, St-Cu; Direction, W
Velocity of clouds (miles per hour)

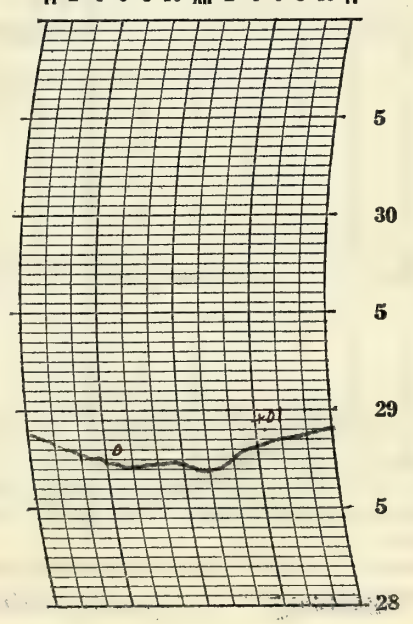
THERMOGRAPH




THERMOGRAPH




BAROGRAPH.




Prepared by R.C.L.

Verified by L.C.S.

8—486

## NOTES

Lying conditions fair to good.

Form No. 1014—Met'1

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Thursday, (Date) JAN 26 1933, 193

Time (local standard) 90 mer. normal time.

| | A.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 | P.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Temperature at end of hour | 39 | 38 | 37 | 37 | 37 | 36 | 36 | 36 | 36 | 37 | 37 | 37 | 38 | 38 | 39 | 38 | 38 | 38 | 37 | 36 | 36 | 36 | 35 | 36 |
| State of weather. Nature of precipitation and time of beginning and ending | | | | | | R mist B DNA | R mist E 6:40 | | R mist B 8:15 | | | | R mist E 12:30 | | | | | | | | | | | |
| Amounts of precipitation | | | | | | T | T | | T | T | T | T | T | | | | | | | | | | | |
| Cloudiness and other conditions | | | X | | | | | | H fog | Cloudy | | | X fog | | | | | | X Part cloudy | | X Cloudy | | | |
| Sunshine (in tenths of hours) | | | | | | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | | |
| Wind direction | NW | NW | N | N | N | N | N | NE | NE | NE | NE | E | E | E | E | E | E | E | E | E | E | E | E | NE |
| Wind movement | 8 | 8 | 8 | 6 | 5 | 4 | 3 | 4 | 5 | 3 | 5 | 6 | 5 | 6 | 8 | 9 | 10 | 10 | 11 | 9 | 9 | 10 | 10 | 10 |
| Maximum velocities (exceeding 24 miles) direction and time | | | | | | | | | | | | | | | | | | | | | | | | |

Sunrise: Time, 6:57 Character, Cloudy. Moonrise: ____ ____

Sunset: Time, 4:51 Character, Cloudy. Moonset: ____ ____

Wind data corrected to true velocity.

| Total duration. From— | To— | Total amount of precipitation. | Excessive rate. Began— | Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | | | | | |

Excessive precipitation, accumulated amounts

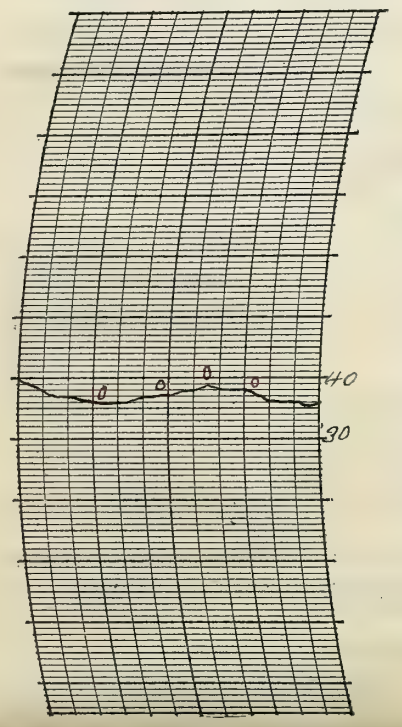
| Maximum Temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 40 | 35 | 38 | |

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., T ins.; to 7 p. m., T ins.
Total precipitation, midnight to midnight, T inches.
Character of day, Cloudy Moon phase, ____
Average daily cloudiness (0-10), 10
Actual sunshine, hours, 0 Possible sunshine, hours, 9.9
Per cent of possible sunshine, 0
Prevailing wind direction, E Total wind, 172
Average hourly velocity, 7.2 Extreme velocity, 13
Maximum velocity, 13 Direction, E
Time began, 9:49 P.M.
Reduced barometer, 29.89 7 a. m. 29.67 7 p. m.
River gage, 5.6 feet
Relative humidity, 94 7 a. m. 83 7 p. m.

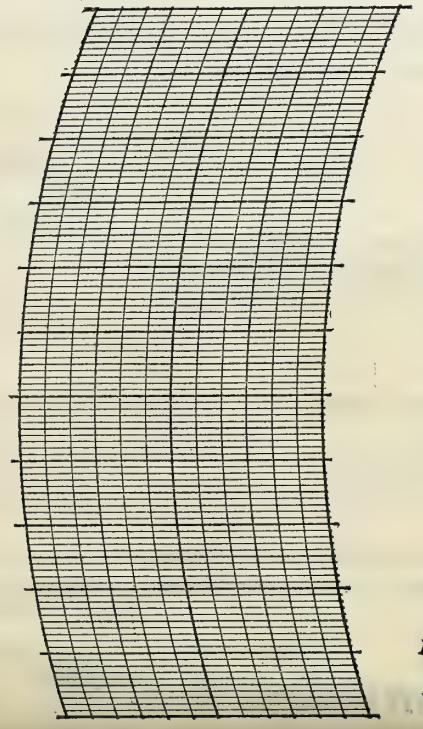
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 37.0 Wet temperature, 35.7
Dew-point, 34 R. humidity, 89 V. pressure, .195
Clouds: Amount, 10; Kind, ~~St-Cu~~ Cu; Direction, E
Velocity of clouds (miles per hour) ____

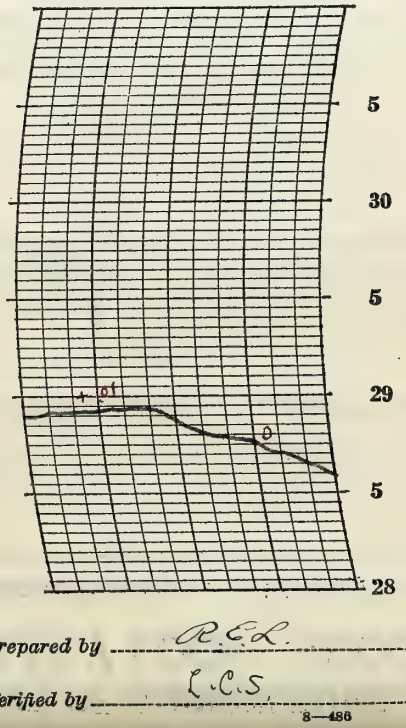
THERMOGRAPH




THERMOGRAPH




BAROGRAPH.




Prepared by R.E.L.

Verified by L.C.S.

8—486

## NOTES

Visibility limited to one to three miles during forenoon by light fog and light mist. Ceilings ample for flying.

Form No. 1014—Met'1

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Friday, (Date) JAN 27 1933, 193

Time (local standard) 90 mer. normal time.

| | A.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 | P.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Temperature at end of hour | 36 | 35 | 36 | 35 | 34 | 34 | 34 | 33 | 34 | 35 | 36 | 37 (38) | 34 | 33 | 31 | 30 | 30 | 29 | 29 | 29 | 29 | 28 | 28 | 28 |
| State of weather. Nature of precipitation and time of beginning and ending | | | | RDNA | | | RE 6:25 SMB 6:25 | | SME 8:45 | | | | | | | | | | SDB 6:35 | | | | SDE DNP | |
| Amounts of precipitation | | | | | T | .01 | Heavy | | | | | | | | | | | | Very light | | | | | |
| Cloudiness and other conditions | | | | ← | | | | | Cloudy with light to mod. haze → | | | | | | | | | | | | | | | |
| Sunrise: Time, Character, 6:56 Cloudy. Moonrise: | | | | | | | | | | | | | | | | | | | | | Sunset: Time, Character, 4:52 Cloudy. Moonset: | | | |
| Sunshine (in tenths of hours) | | | | | | | 0 | 0 | 0 | 0 | 0 | 0.4 | 0.1 | 0 | 0 | 0 | 0 | | | | | | | |
| Wind direction | NE | NE | NE | NE | NE | NE | NE | NE | NE | NE | N | N | N | N | NW | NW | NW | NW | NW | NW | V | NW | NW | NW |
| Wind movement | 11 | 11 | 11 | 13 | 16 | 16 | 14 | 14 | 13 | 11 | 13 | 13 | 16 | 17 | 16 | 16 | 16 | 16 | 14 | 15 | 12 | 13 | 13 | 11 |
| Maximum velocities (exceeding 24 miles) direction and time | | | | | | | | | | | | | | | | | | | | | | | | |

Wind data corrected to true velocity.

| | Total duration. From— | To— | Total amount of precipitation. | Excessive rate. Began— | Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Excessive precipitation, accumulated amounts | | | | | | | | | | | | | | | | | | | | |

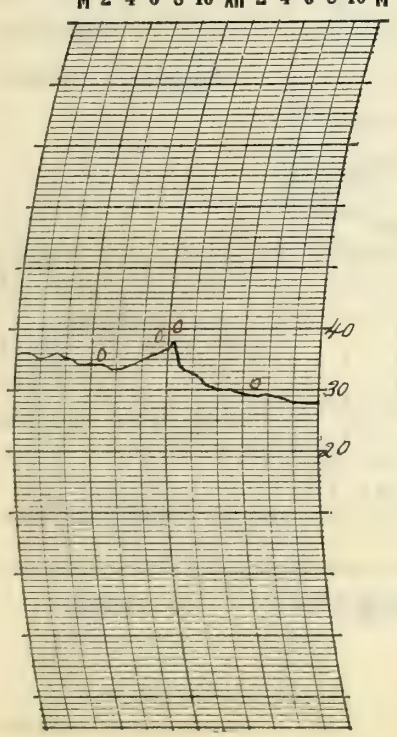
| Maximum Temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 38 | 28 | 33 | |

Total depth of snow for 24 hours ending 7 p. m., 0.4* inches.
Snow, sleet, and hail on ground 7 p. m., T inches.
Total snowfall, midnight to midnight, 0.4 inches.
Precipitation to 7 a. m., .01 ins.; to 7 p. m., .08 ins.
Total precipitation, midnight to midnight, .09 inches.
Character of day, Cloudy Moon phase,
Average daily cloudiness (0-10), 10
Actual sunshine, hours, 0.5 Possible sunshine, hours, 9.9
Per cent of possible sunshine, 5
Prevailing wind direction, NE Total wind, 331
Average hourly velocity, 13.8 Extreme velocity, 21
Maximum velocity, 20 Direction, NW
Time began, 3:45 P. M.
Reduced barometer, 29.40 7a. m. 29.84 7p. m.
River gage, 4.4 feet
Relative humidity, 95 7a. m. 89 7p. m.

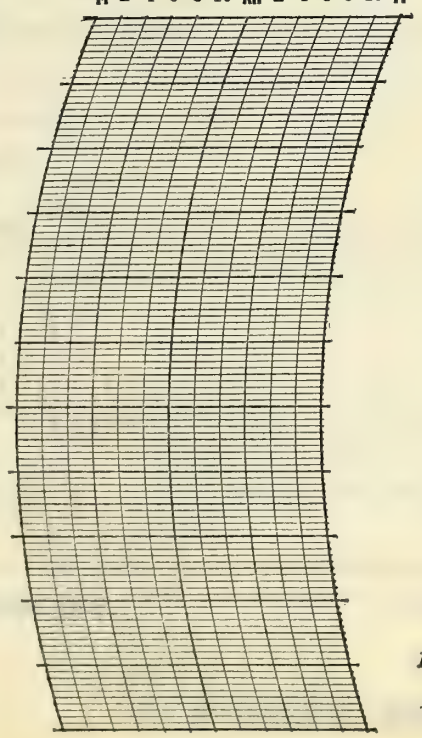
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 37.0 Wet temperature, 35.4
Dew-point, 33 R. humidity, 86 V. pressure, .187
Clouds: Amount, 10; Kind, Sth Cus; Direction, NE
Velocity of clouds (miles per hour)

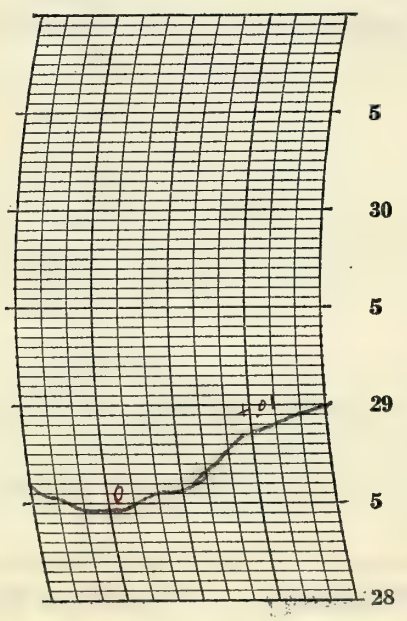
THERMOGRAPH




THERMOGRAPH




BAROGRAPH.




Prepared by R.C.L.

Verified by L.C.S.

8—486

## NOTES

* Snow partly melted as it fell. Visibility reduced by snow and some haze. Ceilings and visibility ample for flying after 8:30 P. M.

Form No. 1014—Met'l

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Saturday, (Date) JAN 28 1933, 193

| Time (local standard) 90 mer. normal time. | A.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 | P.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 28 Temperature at end of hour | 27 | 27 | 26 | 26 | 26 | 26 | 25 | 25 | 25 | 26 | 26 | 27 | 27 | 26 | 26 | 26 | 25 | 25 | 25 | 25 | 24 | 24 | 24 | 23 |
| State of weather. Nature of precipitation and time of beginning and ending | | | | | | | | | | | | | | | | | | | | | | | | |
| Amounts of precipitation | | | | | | | | | | | | | | | | | | | | | | | | |
| Cloudiness and other conditions | | | | | | | | | | | | | ← Cloudy | | | | | | | | → | | | |
| Sunrise: Time, Character, 6:55 Cloudy. Moonrise: | | | | | | | | | | | | | | | | | | | | | Sunset: Time, Character, 4:53 Cloudy. Moonset: | | | |
| Sunshine (in tenths of hours) | | | | | | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | | |
| Wind direction | NW | NW | NW | NW | NW | NW | NW | NW | NW | NW | NW | NW | NW | NW | NW | NW | NW | NW | NW | NW | NW | NW | NW | NW |
| Wind movement | 13 | 13 | 13 | 10 | 10 | 9 | 9 | 10 | 9 | 11 | 11 | 9 | 11 | 9 | 10 | 9 | 8 | 7 | 8 | 6 | 6 | 5 | 5 | 6 |
| Maximum velocities (exceeding 24 miles) direction and time | | | | | | | | | | | | | | | | | | | | | | | | |

| Wind data corrected to true velocity. | Total duration. From— | To— | Total amount of precipitation. | Excessive rate. Began— | Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Excessive precipitation, accumulated amounts | | | | | | | | | | | | | | | | | | | | |

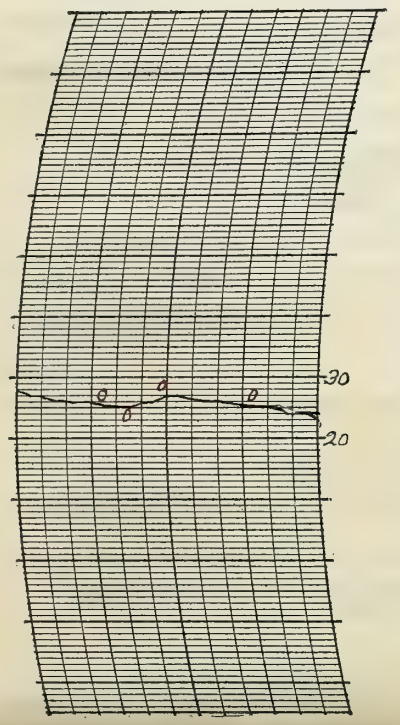
| Maximum Temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 28 | 23 | 26 | |

Total depth of snow for 24 hours ending 7 p. m., T inches.
Snow, sleet, and hail on ground 7 p. m., T inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., T ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Cloudy Moon phase,
Average daily cloudiness (0-10), 10
Actual sunshine, hours, 0 Possible sunshine, hours, 10.0
Per cent of possible sunshine, 0
Prevailing wind direction, NW Total wind, 217
Average hourly velocity, 9.0 Extreme velocity, 16
Maximum velocity, 16 Direction, NW
Time began, 12:56 a. m.
Reduced barometer, 30.11 7 a. m. 30.16 7 p. m.
River gage, 4.5 feet
Relative humidity, 83 7 a. m. 82 7 p. m.

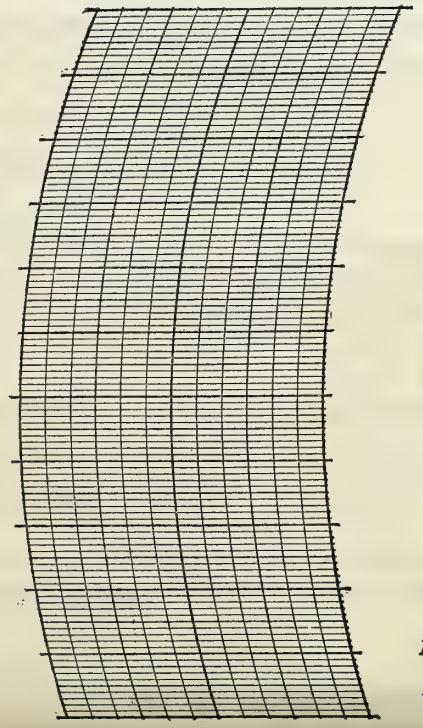
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 27.0 Wet temperature, 25.2
Dew-point, 22 R. humidity, 78 V. pressure, .113
Clouds: Amount, 10; Kind, St-Cu; Direction, NW
Velocity of clouds (miles per hour)

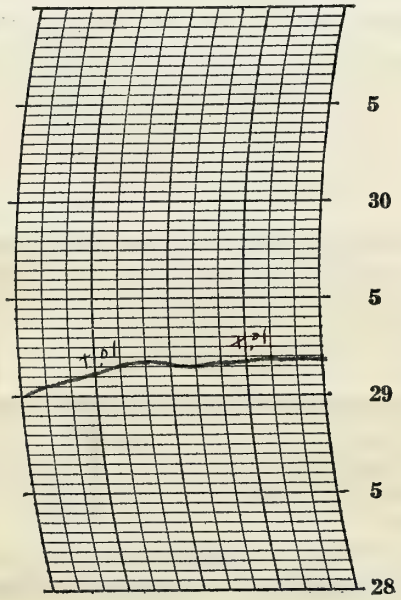
THERMOGRAPH




THERMOGRAPH




BAROGRAPH.




Prepared by R.E.L.
Verified by L.C.S.

8—486

## NOTES

Flying conditions very good. Ceilings above one thousand and visibility about three to eight miles.

Form No. 1014—Met'1

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Sunday, (Date) JAN 29 1933, 193

Time (local standard) 90 mer. normal time.

| | A.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 | P.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Temperature at end of hour (23) | 22 | 21 | 21 | 20 | 21 | 21 | 21 | 22 | 24 | 27 | 29 | 29 | 30 | 33 | 32 | 31 | 30 | 30 | 30 | 29 | 28 | 27 | 28 | 26 |
| State of weather. Nature of precipitation and time of beginning and ending | | | | | | | | | | | | | | | | | | | | | | | | |
| Amounts of precipitation | | | | | | | | | | | | | | | | | | | | | | | | |
| Cloudiness and other conditions | | | | | Clear | × | Part Cloudy | | | | | | × | Clear | × | Part Cloudy | × | Cloudy | | | | | | |
| Sunshine (in tenths of hours) | | | | | | | 0 | 0 | 0.2 | 0.9 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 0.1 | | | | | | | |
| Wind direction | NW | NW | NW | NW | NW | NW | NW | NW | NW | W | W | NW | W | SW | W | SW | S | S | S | S | S | S | SE | S |
| Wind movement | 5 | 5 | 5 | 4 | 4 | 4 | 4 | 4 | 4 | 5 | 4 | 4 | 6 | 4 | 6 | 8 | 6 | 5 | 8 | 7 | 7 | 6 | 8 | 9 |
| Maximum velocities (exceeding 24 miles) direction and time | | | | | | | | | | | | | | | | | | | | | | | | |

Sunrise: Time, 6:55 Character, Cloudy. Moonrise: ____ ____

Sunset: Time, 4:54 Character, Cloudy. Moonset: ____ ____

Wind data corrected to true velocity.

| | Total duration. From— | To— | Total amount of precipitation. | Excessive rate. Began— | Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Excessive precipitation, accumulated amounts | | | | | | | | | | | | | | | | | | | | |

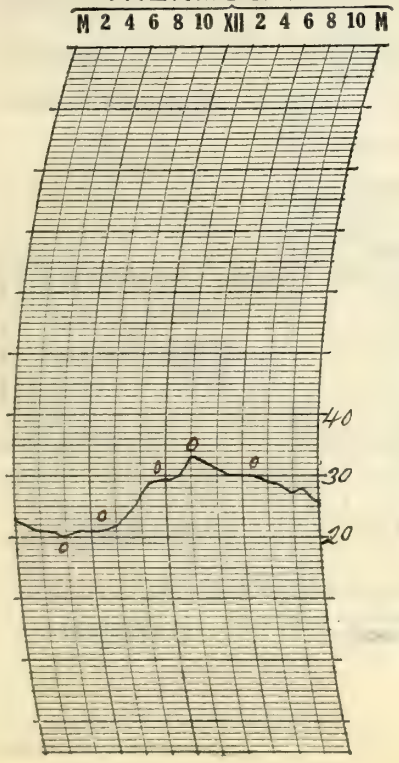
| Maximum Temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 33 | 20 | 26 | |

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Part Cloudy Moon phase, ____
Average daily cloudiness (0-10), 5
Actual sunshine, hours, 7.2 Possible sunshine, hours, 10.0
Per cent of possible sunshine, 72
Prevailing wind direction, N.W. Total wind, 132
Average hourly velocity, 5.5 Extreme velocity, 11
Maximum velocity, 11 Direction, S W
Time began, 11:49 P.M.
Reduced barometer, 30.16 7 a. m. 30.09 7 p. m.
River gage, 4.0 feet
Relative humidity, 93 7 a. m. 77 7 p. m.

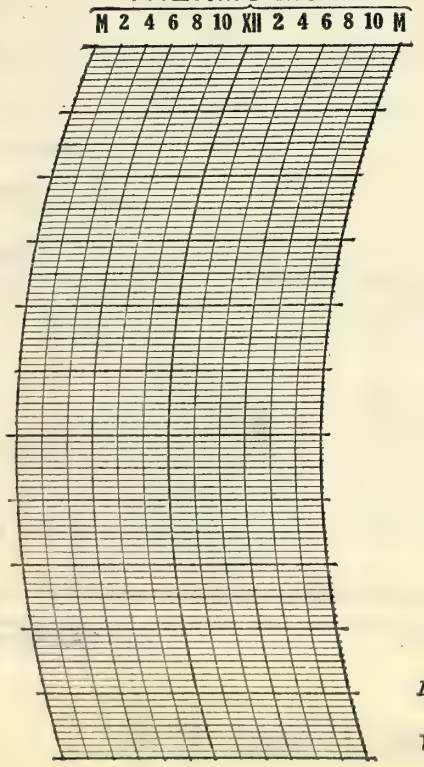
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 29.4 Wet temperature, 26.4
Dew-point, 21 R. humidity, 67 V. pressure, 10.8
Clouds: Amount, 4; Kind, Ac Cu; Direction, W
Velocity of clouds (miles per hour) ____

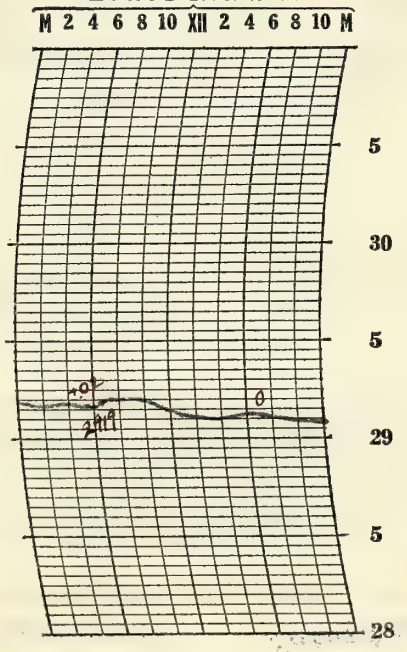
THERMOGRAPH




THERMOGRAPH




BAROGRAPH.




Prepared by R. E. L.

Verified by L. C. S.

8—486

## NOTES

Form No. 1014—Met'l

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Monday, (Date) JAN 30 1933, 193

Time (local standard) 90 mer. normal time.

| | A.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 | P.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Temperature at end of hour (26) | 27 | 28 | 28 | 28 | 28 | 28 | 28 | 28 | 29 | 29 | 30 | 31 | 32 | 32 | 32 | 33 | 33 | 33 | 34 | 34 | 34 | 34 | 34 | 34 |
| State of weather: Nature of precipitation and time of beginning and ending | | | | | | | | | | SM B 9:00 | | | SM E 12:35 | SM B 1:30 | | | | | | | | | | |
| Amounts of precipitation | | | | | | | | | | Light to Heavy Flurries | | | | | | | | | | | | | | |
| Cloudiness and other conditions | | ← | | | | | | | | Cloudy | | | | | | | | | | | Clr. Fog | | | → |
| Sunshine (in tenths of hours) | | | | | | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | | |
| Wind direction | SW | S | SW | S | S | S | S | S | SE | S | S | S | S | S | S | S | S | SW | S | SW | SW | SW | SW | SW |
| Wind movement | 8 | 8 | 8 | 8 | 7 | 8 | 8 | 9 | 9 | 10 | 9 | 10 | 10 | 9 | 8 | 9 | 8 | 6 | 9 | 6 | 8 | 7 | 6 | 6 |
| Maximum velocities (exceeding 24 miles) direction and time | | | | | | | | | | | | | | | | | | | | | | | | |

Sunrise: Time, 6:54 Character, Cloudy
Moonrise:

Sunset: Time, 4:55 Character, Cloudy
Moonset:

Wind data corrected to true velocity.

Excessive precipitation, accumulated amounts

| Total duration. From— | To— | Total amount of precipitation. | Excessive rate. Began— | Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | | | | | |

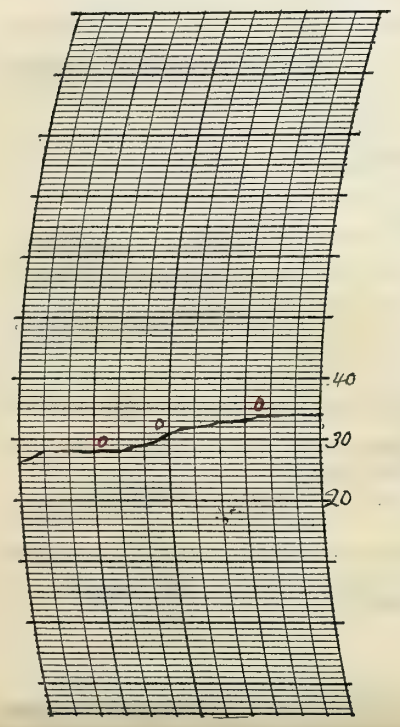
| Maximum Temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 34 | 26 | 30 | |

Total depth of snow for 24 hours ending 7 p. m., 0.3 inches.
Snow, sleet, and hail on ground 7 p. m., 0.1 inches.
Total snowfall, midnight to midnight, 0.3 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., .03 ins.
Total precipitation, midnight to midnight, .03 inches.
Character of day, Cloudy Moon phase,
Average daily cloudiness (0-10), 10
Actual sunshine, hours, 0 Possible sunshine, hours, 10.0
Per cent of possible sunshine, 0
Prevailing wind direction, S Total wind, 194
Average hourly velocity, 8.1 Extreme velocity, 11
Maximum velocity, 11 Direction, SE
Time began, 11:34 a. m.
Reduced barometer, 30.00 7 a. m. 30.01 7 p. m.
River gage, 3.6 feet
Relative humidity, 87 7 a. m. 91 7 p. m.

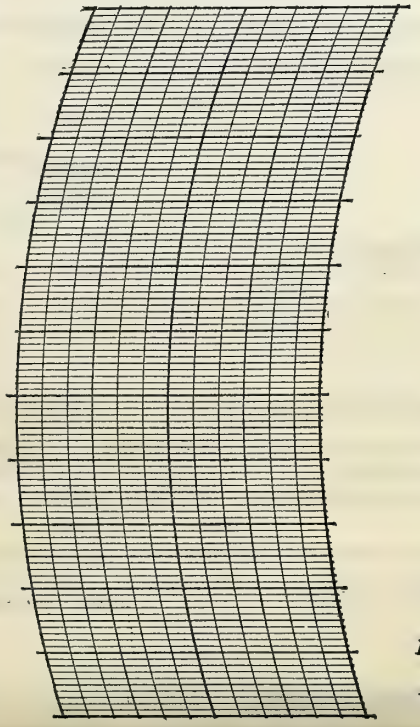
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 31.0 Wet temperature, 31.0
Dew-point, 31 R. humidity, 100 V. pressure, 172
Clouds: Amount, 10; Kind, St; Direction, S
Velocity of clouds (miles per hour)

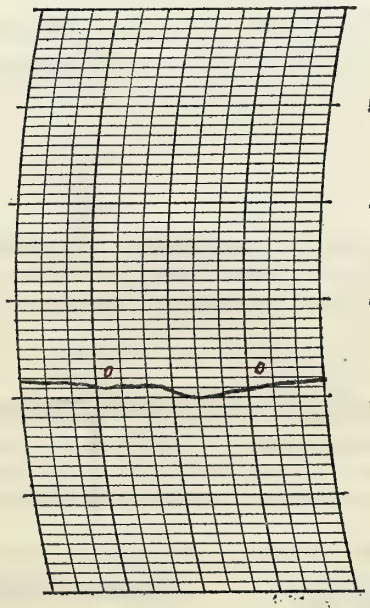
THERMOGRAPH




THERMOGRAPH




BAROGRAPH.




Prepared by R.E.L.

Verified by L.C.S.

8—486

## NOTES

Flying conditions fair to poor. Visibility about one mile and ceilings five hundred to one thousand.

Form No. 1014—Met'1

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Tuesday, (Date) JAN 31 1933, 193

Time (local standard) 90 mer. normal time.

| | A.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 | P.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Temperature at end of hour | 34 | 33 | 34 | 34 | 34 | 34 | 34 | 32 | 32 | 33 | 34 | 36 | 38 | 41 | 44 | 44 | 43 | 41 | 40 | 41 | 40 | 40 | 41 | 44 |
| State of weather. Nature of precipitation and time of beginning and ending | | | | | | | | | | | | | | | | | | | | | R a 8:30 E 8:50 | | | |
| Amounts of precipitation | | | | | | | | | | | | | | | | | | | | | T | | | |
| Cloudiness and other conditions | ← | | Bl Fog | | | | | + Dense Fog | | | | + Lt Fog → | | | Cloudy | | | | | | | | | → |
| Sunshine (in tenths of hours) | | | | | | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.8 | 0.8 | 0.1 | 0 | | | | | | | |
| Wind direction | SW | SW | SW | SW | SW | S | S | S | S | S | SE | SE | S | S | SE | SE | SE | SE | SE | S | S | SE | SE | S |
| Wind movement | 6 | 5 | 4 | 5 | 3 | 6 | 6 | 7 | 9 | 6 | 8 | 8 | 8 | 9 | 11 | 10 | 11 | 11 | 11 | 12 | 9 | 9 | 12 | 12 |
| Maximum velocities (exceeding 24 miles) direction and time | | | | | | | | | | | | | | | | | | | | | | | | |

Sunrise: Time, 6:53 Character, Cloudy. Moonrise: ____ ____

Sunset: Time, 4:57 Character, Cloudy. Moonset: ____ ____

Wind data corrected to true velocity.

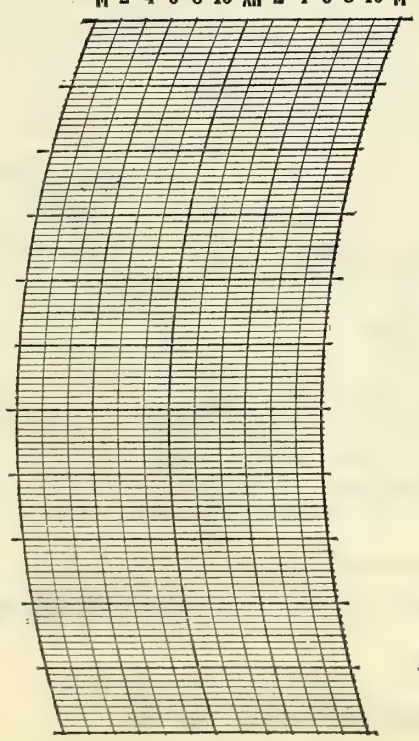
| | Total duration. From— | To— | Total amount of precipitation. | Excessive rate. Began— | Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Excessive precipitation, accumulated amounts | | | | | | | | | | | | | | | | | | | | |

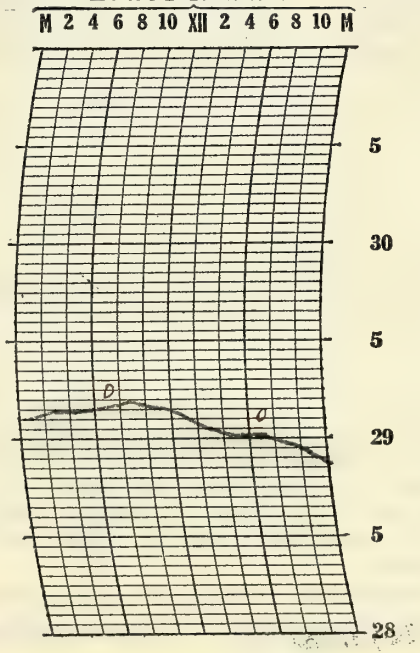
| Maximum Temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 44 | 32 | 38 | |

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, T inches.
Character of day, Cloudy Moon phase, ____
Average daily cloudiness (0-10), 10
Actual sunshine, hours, 1.7 Possible sunshine, hours, 10.1
Per cent of possible sunshine, 17
Prevailing wind direction, S Total wind, 198
Average hourly velocity, 8.2 Extreme velocity, 14
Maximum velocity, 14 Direction, S
Time began, 7:00 PM
Reduced barometer, 30.11 7 a. m. 29.97 7 p. m.
River gage, 3.1 feet
Relative humidity, 94 7 a. m. 83 7 p. m.

OBSERVATIONS AT 12 NOON.
(Local Mean Time.)
Dry temperature, 36.0 Wet temperature, 35.5
Dew-point, 35 R. humidity, 95 V. pressure, 29.03
Clouds: Amount, 10; Kind, St Fog; Direction, SE
Velocity of clouds (miles per hour) ____

THERMOGRAPH
M 2 4 6 8 10 XII 2 4 6 8 10 M
50 40 30




Prepared by REL

Verified by L.C.S.

8—486

## NOTES

Flying conditions poor due to fog.

Form No. 1014—Met'l

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Wednesday, (Date) FEB 1 1933, 193

Time (local standard) 90 mer. normal time.

| | A.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 | P.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Temperature at end of hour | 44 | 44 | 43 | 44 | 43 | 45 | 46 | 48 | 50 | 49 | 49 | 48 | 49 | 49 | 49 | 48 | 46 | 42 | 39 | 36 | 34 | 34 | 34 | 34 |
| State of weather. Nature of precipitation and time of beginning and ending | Rs | DNA | | | | | RE 6.30 | | | Rs 9:30 Re 9:39 SI 9:42 | | | | | | | | | | | | | | |
| Amounts of precipitation | | | | Moderate | | | | | | T | | | | | | | | | | | | | | |
| Cloudiness and other conditions | | | | | | Cloudy | | | | | | | | | | | | | | | | | | |
| Sunshine (in tenths of hours) | | | | | | | 0 | 0 | 0 | 0.6 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | .67 0.3 | | | | | | | |
| Wind direction | S | SE | S | SE | S | S | S | S | SW | SW | SW | SW | SW | SW | SW | SW | W | W | W | W | W | W | W | W |
| Wind movement | 15 | 15 | 12 | 12 | 15 | 15 | 17 | 16 | 21 | 21 | 24 | 25 | 26 | 25 | 23 | 21 | 19 | 18 | 18 | 17 | 18 | 18 | 17 | 17 |
| Maximum velocities (exceeding 24 miles) direction and time | | | | | | | | | | | 30 SW 10:26 | 28 SW 11:29 | 32 SW 12:20 | 31 SW 1:19 | 29 SW 2:28 | | | | | | | | | |

Sunrise: Time, 6:52 Character, Cloudy
Moonrise:

Sunset: Time, 4:58 Character, Clear
Moonset:

Wind data corrected to true velocity.

Excessive precipitation, accumulated amounts

| Total duration. From— | To— | Total amount of precipitation. | Excessive rate. Began— | Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | | | | | |

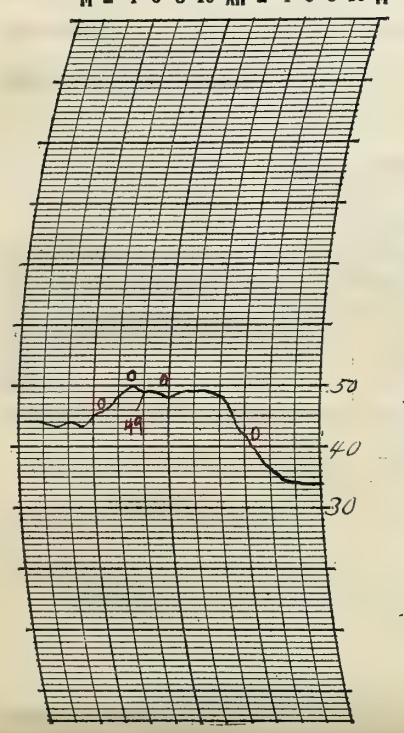
| Maximum Temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 50 | 34 | 42 | |

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., .09 ins.; to 7 p. m., T ins.
Total precipitation, midnight to midnight, .09 inches.
Character of day, Clear Moon phase,
Average daily cloudiness (0–10), 9
Actual sunshine, hours, 7.6 Possible sunshine, hours, 10.1
Per cent of possible sunshine, 75
Prevailing wind direction, W, SW Total wind,
Average hourly velocity, 18.5 Extreme velocity, 34
Maximum velocity, 32 Direction, S W
Time began, 12:20 P.M.
Reduced barometer, 29.58 7 a.m. 29.70 7 p.m.
River gage, 3.9 feet
Relative humidity, 93 7 a.m. 68 7 p.m.

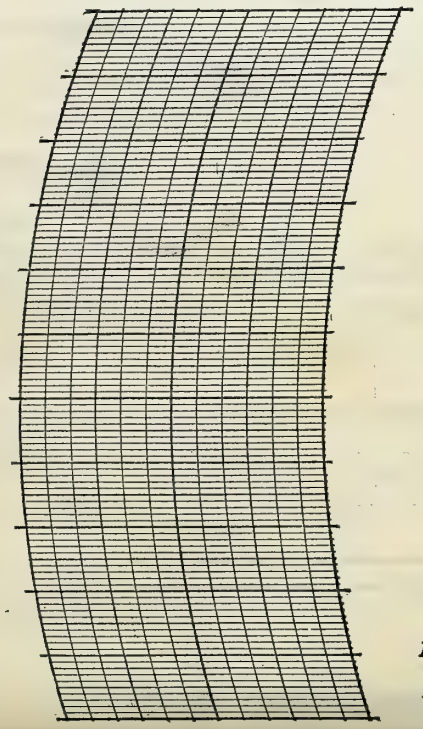
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 48.5 Wet temperature, 40.5
Dew-point, 22 R. humidity, 48 V. pressure, .164
Clouds: Amount, 1; Kind, Scu; Direction, W
Velocity of clouds (miles per hour)

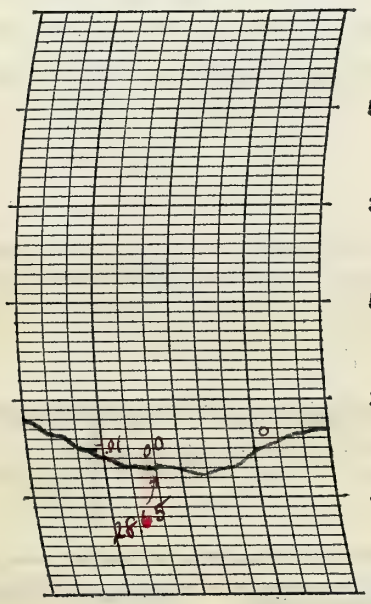
THERMOGRAPH




THERMOGRAPH




BAROGRAPH.




Prepared by R.G.L.

Verified by C.C.S.

8—486

## NOTES

Very low ceilings in the early morning with clearing skies about ten o'clock. Winds strong and gusty.

Form No. 1014–Met'1

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Thursday, (Date) FEB 2 1933, 193

Time (local standard) 90 mer. normal time.

| | A.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 | P.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Temperature at end of hour | 33 | 32 | 32 | 32 | 32 | 31 | 30 | 30 | 31 | 30 | 31 | 31 | 31 | 33 | 32 | 33 | 32 | 30 | 28 | 27 | 26 | 26 | 26 | 27 |
| State of weather. Nature of precipitation and time of beginning and ending | | | | | | | | | | | | | | | | | | | | | | | | |
| Amounts of precipitation | | | | | | | | | | | | | | | | | | | | | | | | |
| Cloudiness and other conditions | | | | | ? | ← Cloudy | | | | | | | → Clear | | | | × Cloudy | | | → ? | | | | |
| Sunshine (in tenths of hours) | | | | | | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.9 | 1.0 | 1.0 | 0.4 (.58) | | | | | | | |
| Wind direction | W | W | W | W | W | W | W | W | W | W | W | W | W | W | W | NW | W | NW | NW | NW | NW | NW | NW | NW |
| Wind movement | 16 | 16 | 14 | 13 | 14 | 15 | 15 | 11 | 12 | 15 | 15 | 14 | 15 | 16 | 15 | 13 | 13 | 10 | 10 | 12 | 10 | 11 | 9 | 9 |
| Maximum velocities (exceeding 24 miles) direction and time | | | | | | | | | | | | | | | | | | | | | | | | |

Sunrise: Time, 6:51 Character, Cloudy

Moonrise: ---------- ----------

Sunset: Time, 4:59 Character, Clear

Moonset: ---------- ----------

Wind data corrected to true velocity.

| Total duration. From— | To— | Total amount of precipitation. | Excessive rate. Began— | Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | | | | | |

Excessive precipitation, accumulated amounts

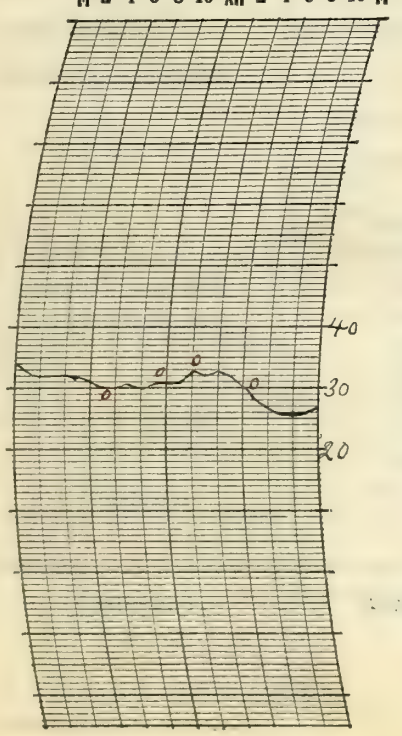
| Maximum Temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 34 | 26 | 30 | |

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Part Cloudy Moon phase, ----------
Average daily cloudiness (0-10), 7
Actual sunshine, hours, 3.9 Possible sunshine, hours, 10.1
Per cent of possible sunshine, 39
Prevailing wind direction, W Total wind, 313
Average hourly velocity, 13.0 Extreme velocity, 24
Maximum velocity, 22 Direction, W
Time began, 12:02 a.m.
Reduced barometer, 29.88 7 a. m. 30.06 7 p. m.
River gage, 3.3 feet
Relative humidity, 74 7 a. m. 67 7 p. m.

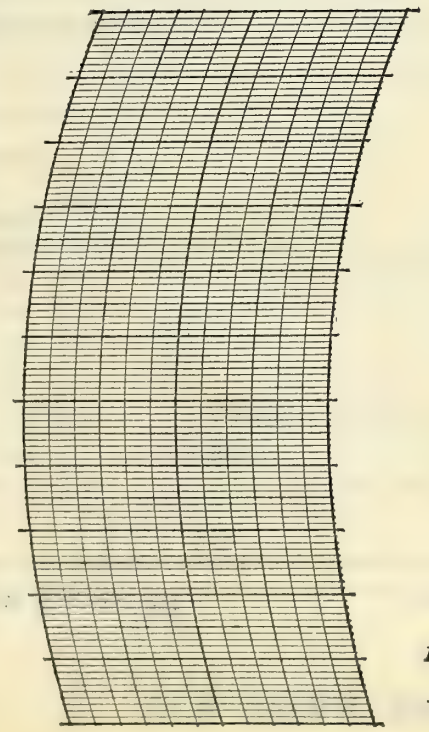
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 31.0 Wet temperature, 28.4
Dew-point, 24 R. humidity, 73 V. pressure, 1.24
Clouds: Amount, 10; Kind, St Cu; Direction, W
Velocity of clouds (miles per hour)----------

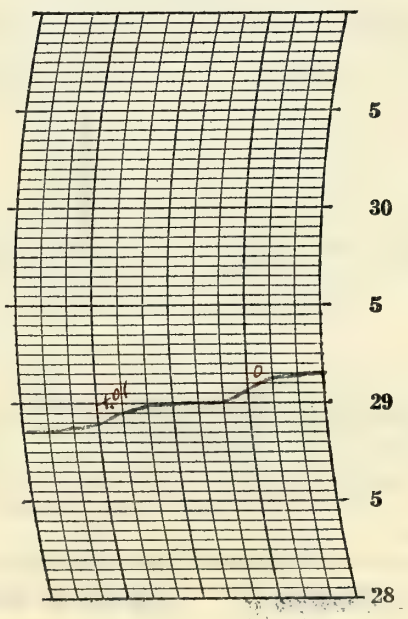
THERMOGRAPH




THERMOGRAPH




BAROGRAPH.




Prepared by R E L

Verified by L. C. S.

8—486

## NOTES

Flying conditions very good to excellent.

Form No. 1014—Met'l

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(Station) Fort Wayne. Ind., (Day of week) Friday, (Date) FEB 3 1933, 193

Time (local standard) 90 mer. normal time.

| | A.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 | P.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Temperature at end of hour | 27 | 27 | 27 | 27 | 27 | 26 | 26 | 24 | 26 | 28 | 30 | 31 | 33 | 33 | 35 | 36 | 35 | 33 | 33 | 32 | 32 | 32 | 31 | 29 |
| State of weather. Nature of precipitation and time of beginning and ending | | | | | | | | | | | | | | | | | | | | | | | | |
| Amounts of precipitation | | | | | | | | | | | | | | | | | | | | | | | | |
| Cloudiness and other conditions | | | | | ← | | | | | Clear | | | | | | | | | × Cloudy | | | ? | | |
| Sunshine (in tenths of hours) | | | | | | | .17 0 | .8 .2 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 0.1 | | | | | | | |
| Wind direction | NW | NW | NW | NW | W | W | W | SW | SW | SW | SW | SW | SW | SW | SW | W | SW | SW | SW | S | SW | SW | W | W |
| Wind movement | 9 | 9 | 9 | 9 | 8 | 7 | 6 | 7 | 9 | 9 | 10 | 12 | 12 | 12 | 12 | 11 | 10 | 9 | 9 | 9 | 9 | 11 | 13 | 13 |

Sunrise: Time, 6:50 Character, Clear. Moonrise: ——— ———

Sunset: Time, 5:01 Character, Cloudy. Moonset: ——— ———

Maximum velocities (exceeding 24 miles) direction and time

Wind data corrected to true velocity.

| Total duration. From— | To— | Total amount of precipitation. | Excessive rate. Began— | Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | | | | | |

Excessive precipitation, accumulated amounts

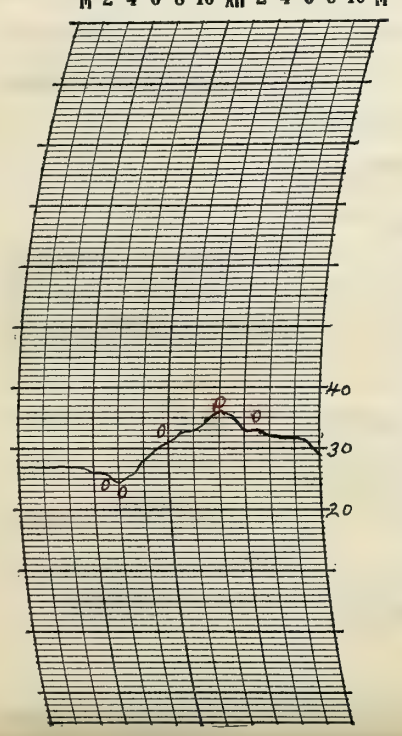
| Maximum Temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 36 | 24 | 30 | |

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Clear Moon phase, ———
Average daily cloudiness (0-10), Few
Actual sunshine, hours, 9.3 Possible sunshine, hours, 10.2
Per cent of possible sunshine, 91
Prevailing wind direction, SW Total wind, 234
Average hourly velocity, 9.8 Extreme velocity, 16
Maximum velocity, 15 Direction, W
Time began, 11:52 P.M.
Reduced barometer, 30.15 7 a. m. 30.05 7 p. m.
River gage, 3.3 feet
Relative humidity, 74 7 a. m. 59 7 p. m.

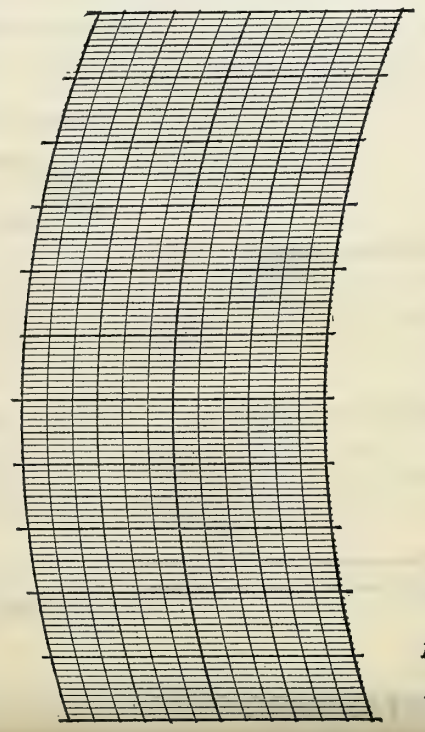
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 31.0 Wet temperature, 27.1
Dew-point, 20 R. humidity, 59 V. pressure, .103
Clouds: Amount, Few; Kind, A-C; Direction, ?
Velocity of clouds (miles per hour) ———

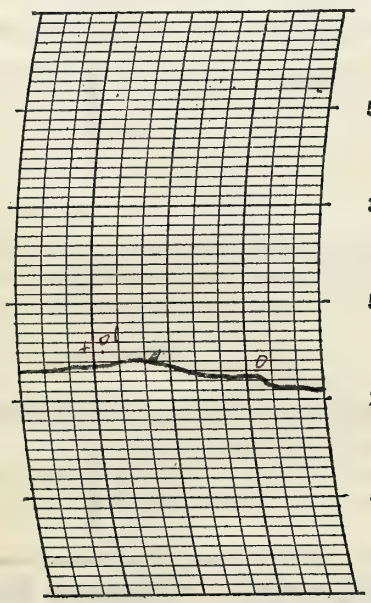
THERMOGRAPH




THERMOGRAPH




BAROGRAPH.




Prepared by R C L

Verified by L. C. S

8—486

## NOTES

Drying conditions very good to excellent.

Form No. 1014—Met'1

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Saturday, (Date) FEB 4 1933, 193

Time (local standard) 90 mer. normal time.

| | A.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 | P.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Temperature at end of hour | 28 | 26 | 25 | 24 | 23 | 22 | 21 | 21 | 21 | 22 | 23 | 22 | 22 | 22 | 20 | 18 | 18 | 17 | 16 | 14 | 12 | 10 | 9 | 8 |
| State of weather. Nature of precipitation and time of beginning and ending | | | | | | | | | S D B 8:20 E 8:30 | S D B 9:10 E 9:20 | | S D B 11:05 | | | | S D E 3:35 | | | S D 6:30P | | | S D E DNP | | |
| Amounts of precipitation | | | | | | | | | Very light | | Heavy | | | Mod. | | | | | very | light | | flurries | | |
| Cloudiness and other conditions | | | | | | | | | | | | Cloudy | | | | Part Cloudy | | Cloudy | | | | Part Cloudy | | |
| Sunrise: Time, 6:49 Character, Cloudy | | | | | | | | | | | | | Sunset: Time, 5:02 Character, Cloudy | | | | | | | | | | | |
| Moonrise: | | | | | | | | | | | | | Moonset: | | | | | | | | | | | |
| Sunshine (in tenths of hours) | | | | | | | 0 | 0 | 0.3 | 0.6 | 1.0 | 0.5 | 0.2 | 0.3 | 0.1 | 0 | 0 | | | | | | | |
| Wind direction | W | W | W | W | W | W | W | W | W | W | W | W | W | W | WNW | WNW | W | WNW | W | W | WNW | W | WNW | WNW |
| Wind movement | 12 | 12 | 12 | 9 | 10 | 9 | 9 | 12 | 13 | 12 | 10 | 14 | 13 | 13 | 15 | 15 | 14 | 9 | 10 | 16 | 15 | 16 | 16 | 15 |
| Maximum velocities (exceeding 24 miles) direction and time | | | | | | | | | | | | | | | | | | | | | | | | |

Wind data corrected to true velocity.

| | Total duration. From— | To— | Total amount of precipitation. | Excessive rate. Began— | Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Excessive precipitation, accumulated amounts | | | | | | | | | | | | | | | | | | | | |

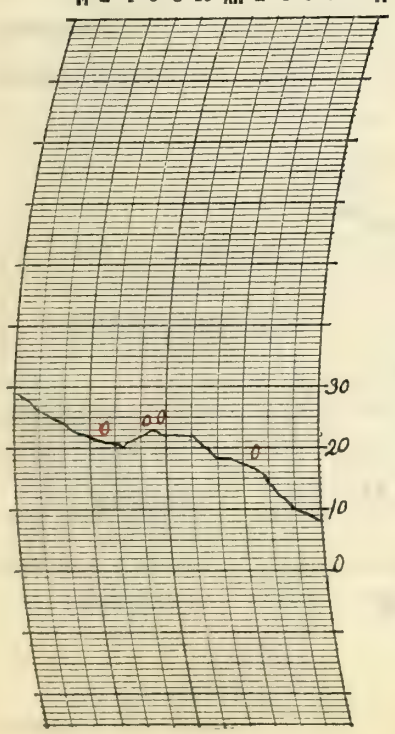
| Maximum Temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 29 | 8 | 18 | |

Total depth of snow for 24 hours ending 7 p. m., 0.1 inches.
Snow, sleet, and hail on ground 7 p. m., T inches.
Total snowfall, midnight to midnight, 0.1 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., .01 ins.
Total precipitation, midnight to midnight, .01 inches.
Character of day, Cloudy Moon phase,
Average daily cloudiness (0-10), 8
Actual sunshine, hours, 3.0 Possible sunshine, hours, 10.2
Per cent of possible sunshine, 29
Prevailing wind direction, W Total wind, 301
Average hourly velocity, 12.5 Extreme velocity, 21
Maximum velocity, 21 Direction, W
Time began, 7:35 P.M.
Reduced barometer, 29.90 7 a. m. 29.82 7 p. m.
River gage, 3.1 feet
Relative humidity, 74 7 a. m. 74 7 p. m.

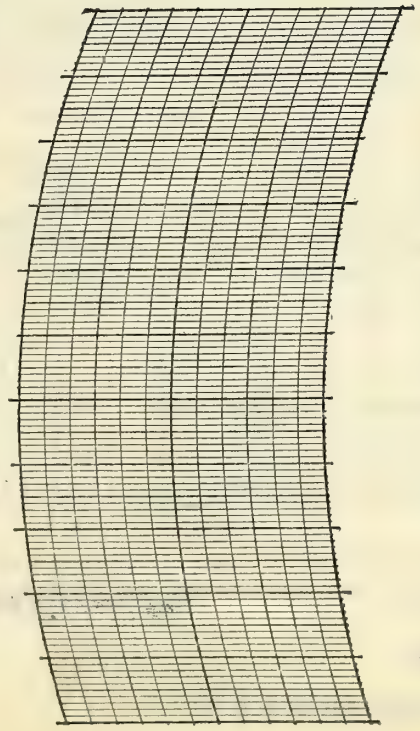
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 22.5 Wet temperature, 20.3
Dew-point, 15 R. humidity, 70 V. pressure, .081
Clouds: Amount, 3 Z; Kind, ~~St Cu~~ ci st; Direction, W
Velocity of clouds (miles per hour)

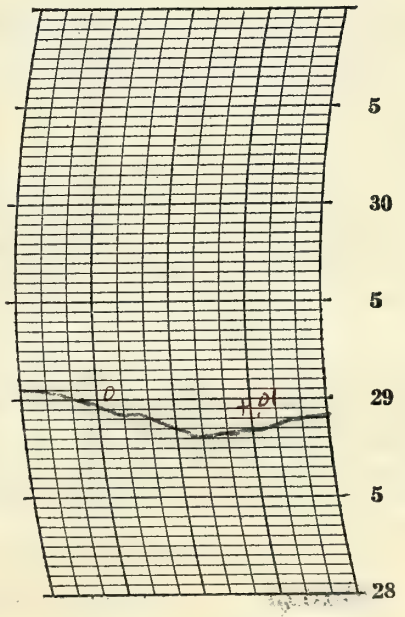
THERMOGRAPH




THERMOGRAPH




BAROGRAPH.




Prepared by R C L

Verified by L. C. S.

8—486

## NOTES

Visibility cut down considerably at times by snow squalls.

The moon was visible through a cirrus haze during fore part of the night.

Form No. 1014—Met'l

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Sunday, (Date) FEB 5 1933, 193

Time (local standard) 90 mer. normal time.

| | A.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 | P.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Temperature at end of hour | 8 | 7 | 7 | 7 | 6 | 5 | 3 | 2 | 4 | 7 | 10 | 10 | 12 | 14 | 16 | 15 | 13 | 13 | 12 | 12 | 13 | 13 | 13 | 13 |
| State of weather. Nature of precipitation and time of beginning and ending | | | | | | | | | | | | | | | | | | | | | | | | |
| Amounts of precipitation | | | | | | | | | | | | | | | | | | | | | | | | |
| Cloudiness and other conditions | | | | | | Clear | → | → | → | × Part Cloudy | × | | Clear | → | → | → | → | → | → | → | Cloudy | | | |
| Sunshine (in tenths of hours) | | | | | | | .20 0 | .8 0.2 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 0.9 | 0.5, 0.5 | 0 | | | | | | |
| Wind direction | W | W | W | NW | W | W | W | W | W | W | W | W | W | W | W | W | W | W | SW | SW | SW | SW | SW | SW |
| Wind movement | 13 | 12 | 12 | 15 | 12 | 15 | 15 | 16 | 17 | 15 | 18 | 18 | 18 | 15 | 15 | 15 | 15 | 11 | 12 | 13 | 13 | 15 | 15 | 15 |
| Maximum velocities (exceeding 24 miles) direction and time | | | | | | | | | | | | | | | | | | | | | | | | |

Sunrise: Time, 6:48 Character, Clear
Moonrise: ---------- ----------
Sunset: Time, 5:03 Character, Clear
Moonset: ---------- ----------

Wind data corrected to true velocity.

| Total duration. From— | To— | Total amount of precipitation. | Excessive rate. Began— | Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | | | | | |

Excessive precipitation, accumulated amounts

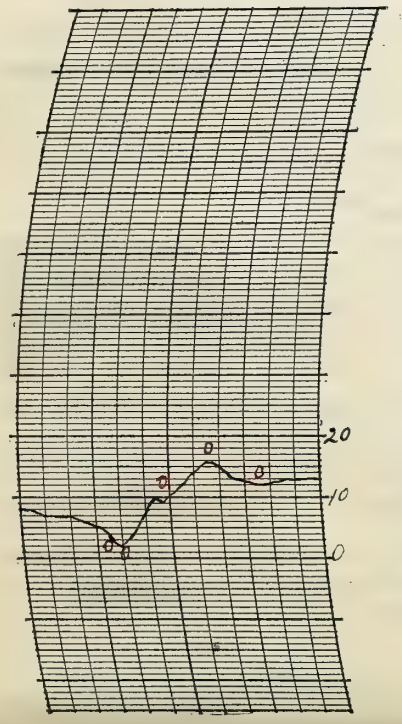
| Maximum Temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 16 | 2 | 9 | |

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., T inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., T ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Clear Moon phase, ----------
Average daily cloudiness (0-10), 1
Actual sunshine, hours, 10.2 Possible sunshine, hours, 10.2
Per cent of possible sunshine, 100
Prevailing wind direction, W Total wind, 350
Average hourly velocity, 14.6 Extreme velocity, 21
Maximum velocity, 21 Direction, W
Time began, 11:08 a.m.
Reduced barometer, 30.05 7 a. m. 30.27 7 p. m.
River gage, 2.7 feet
Relative humidity, 77 7 a. m. 68 7 p. m.

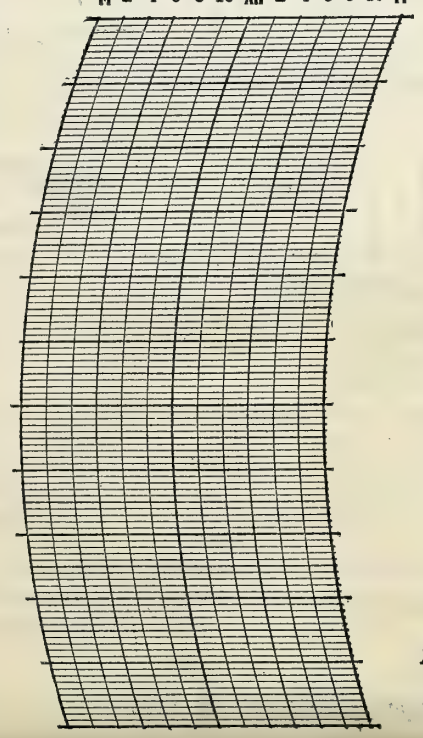
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 10.0 Wet temperature, 8.8
Dew-point, 4 R. humidity, 74 V. pressure, .047
Clouds: Amount, 1; Kind, Cu; Direction, NW
Velocity of clouds (miles per hour)

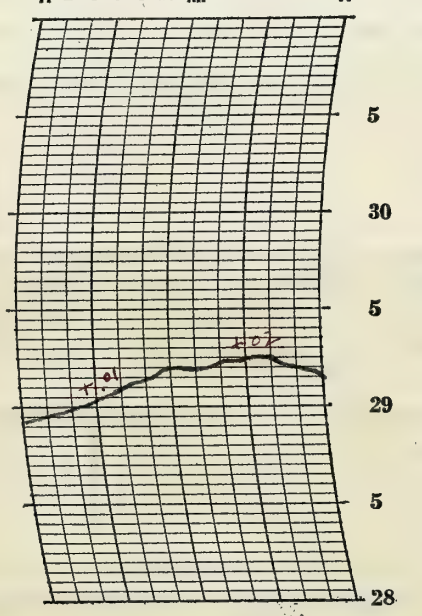
THERMOGRAPH




THERMOGRAPH




BAROGRAPH.




Prepared by R&L

Verified by L.C.S.

8—486

## NOTES

A sudden drop in the temperature to near zero caught many motorists unprepared and radiators were damaged.

Form No. 1014—Met'l

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Monday, (Date) FEB 6 1923, 193

Time (local standard) 90 mer. normal time.

| | A.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 | P.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Temperature at end of hour | 14 | 14 | 14 | 14 | 14 | 15 | 16 | 17 | 20 | 24 | 28 | 32 | 35 | 35 | 36 | 35 | 33 SM 4:05 | 32 | 30 | 30 | 30 | 30 | 31 | 31 |
| State of weather. Nature of precipitation and time of beginning and ending | | | | | | | | | | | | | | | | | | | | | | | | |
| Amounts of precipitation | | | | | | | | | | | | | | | | | T | T | T | ? | | | | |
| Cloudiness and other conditions | | | | | Cloudy | | Part Cloudy | | High thin overcast | | | | | | | | | | | | | | | |
| Sunshine (in tenths of hours) | | | | | | | 0 | 0 | 0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 0.4 | 0 | 0 | 0 | | | | | | |
| Wind direction | SW | SW | SW | SW | S | S | S | S | SW | SW | SW | SW | SW | SW | SW | S | SW | SW | S | S | SW | S | SW | SW |
| Wind movement | 17 | 18 | 15 | 15 | 12 | 13 | 15 | 17 | 17 | 17 | 18 | 18 | 16 | 16 | 16 | 15 | 16 | 12 | 14 | 12 | 13 | 12 | 12 | 12 |
| Maximum velocities (exceeding 24 miles) direction and time | | | | | | | | | | | | | | | | | | | | | | | | |

Sunrise: Time, 6:47 Character, Cloudy. Moonrise:

Sunset: Time, 5:04 Character, Cloudy. Moonset:

Wind data corrected to true velocity.

| | Total duration. From— | To— | Total amount of precipitation. | Excessive rate. Began— | Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Excessive precipitation, accumulated amounts | | | | | | | | | | | | | | | | | | | | |

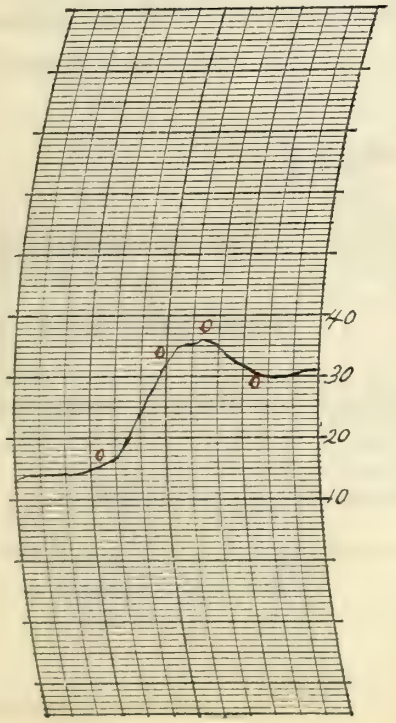
| Maximum Temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 36 | 13 | 24 | |

Total depth of snow for 24 hours ending 7 p. m., T inches.
Snow, sleet, and hail on ground 7 p. m., T inches.
Total snowfall, midnight to midnight, 1.0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., T ins.
Total precipitation, midnight to midnight, .10 inches.
Character of day, Cloudy Moon phase,
Average daily cloudiness (0-10), 9
Actual sunshine, hours, 5.4 Possible sunshine, hours, 10.3
Per cent of possible sunshine, 52
Prevailing wind direction, SW Total wind, 358
Average hourly velocity, 14.9 Extreme velocity, 22
Maximum velocity, 21 Direction, SW
Time began, 10:45 P.M.
Reduced barometer, 30.01 7 a. m. 29.86 7 p. m.
River gage, 1.9 feet
Relative humidity, 73 7 a. m. 89 7 p. m.

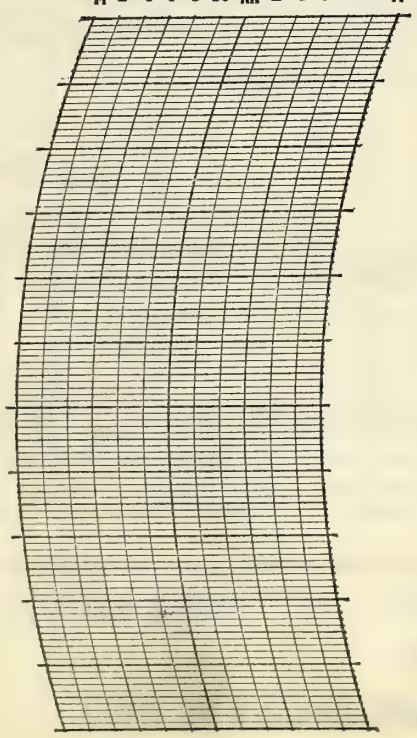
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 32.0 Wet temperature, 26.2
Dew-point, 14 R. humidity, 43 V. pressure, 0.77
Clouds: Amount, 4; Kind, Cist; Direction, W
Velocity of clouds (miles per hour)

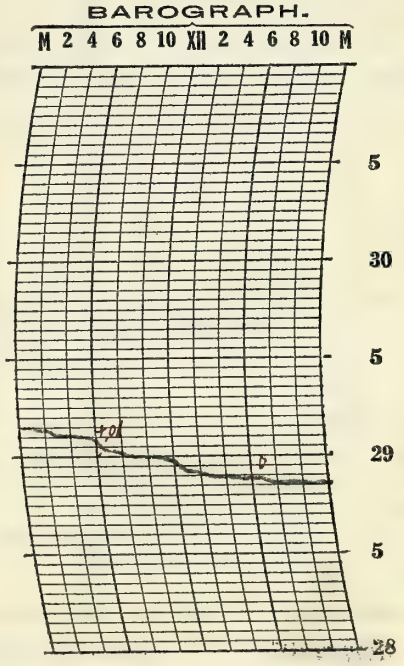
THERMOGRAPH




THERMOGRAPH




BAROGRAPH.




Prepared by R.E.L.

Verified by L.C.S.

8—486

## NOTES

River frozen over this morning.

Flying conditions very good until late afternoon.

Form No. 1014—Met'l

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Tuesday, (Date) FEB 7 1933, 193

Time (local standard) 90 mer. normal time.

| | A.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 | P.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Temperature at end of hour | 32 | 32 | 32 | 33 | 33 | 33 | 33 | 33 | 34 | 34 | 34 | 35 | 34 | 34 | 34 | 34 | 33 | 29 | 23 | 23 | 19 | 13 | 12 | 10 |
| State of weather: Nature of precipitation and time of beginning and ending | | S | mcHtL | | DNA $R_B$ DNA | | | | | | | | | | | | RE 5:40 R 5:50 | | | R+Sl 7:10 SP 7:10 | | | SP DNP ? | |
| Amounts of precipitation | | | | | ? | | | Light fog | | | | | Cloudy | | | | | | | T | T | T | | |
| Cloudiness and other conditions | | | | | | | | | | | | | | | | | | | | | | | | |

Sunrise: Time, 6:45 Character, Cloudy
Moonrise:
Sunset: Time, 5:05 Character, Cloudy
Moonset:

| | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Sunshine (in tenths of hours) | | | | | | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | |
| Wind direction | SW | S | SW | SW | S | S | SE | SE | SE | SE | SE | E | NE | E | NE | E | N | NW | NW | NW | NW | NW | NW | NW |
| Wind movement | 12 | 12 | 11 | 10 | 7 | 8 | 8 | 10 | 11 | 11 | 11 | 7 | 6 | 7 | 9 | 6 | 7 | 7 | 9 | 9 | 14 | 15 | 13 | 12 |
| Maximum velocities (exceeding 24 miles) direction and time | | | | | | | | | | | | | | | | | | | | | | | | |

Wind data corrected to true velocity.

| Total duration. From— | To— | Total amount of precipitation. | Excessive rate. Began— | Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | | | | | |

Excessive precipitation, accumulated amounts

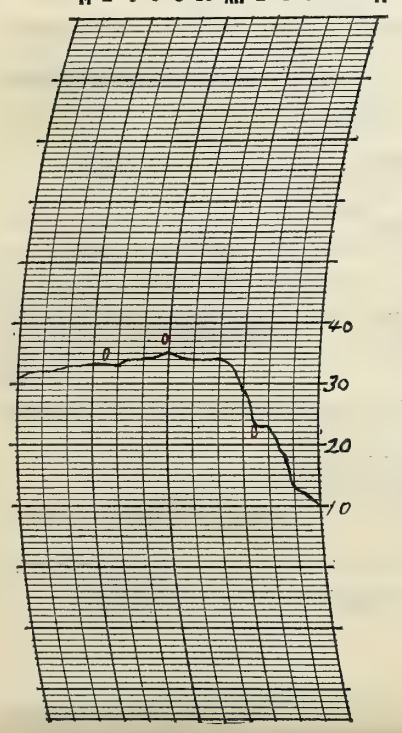
| Maximum Temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 35 | 10 | 22 | |

Total depth of snow for 24 hours ending 7 p. m., 2.0 inches.
Snow, sleet, and hail on ground 7 p. m., 0.2 inches.
Total snowfall, midnight to midnight, 4.0 inches.
Precipitation to 7 a. m., 0.20 ins.; to 7 p. m., 0.64 ins.
Total precipitation, midnight to midnight 0.74 inches.
Character of day, Cloudy Moon phase,
Average daily cloudiness (0-10), 10
Actual sunshine, hours, 0 Possible sunshine, hours, 10.3
Per cent of possible sunshine, 0
Prevailing wind direction, NW Total wind, 232
Average hourly velocity, 9.7 Extreme velocity, 19
Maximum velocity, 18 Direction, NW
Time began, 8:20 P.M.
Reduced barometer, 29.76 7a. m. 29.43 7p. m.
River gage, 2.3 feet
Relative humidity, 97 7a. m. 93 7p. m.

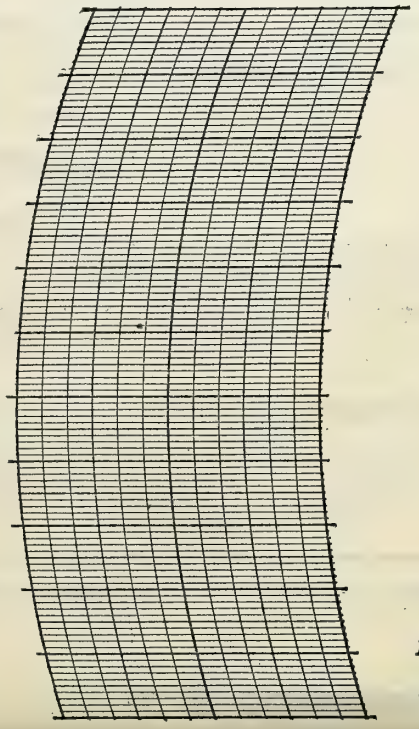
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 34.6 Wet temperature, 34.2
Dew-point, 34 R. humidity, 96 V. pressure, 1.95
Clouds: Amount, 10 (corrected 10); Kind, Strat-cu; Direction, SE (corrected SE)
Velocity of clouds (miles per hour)

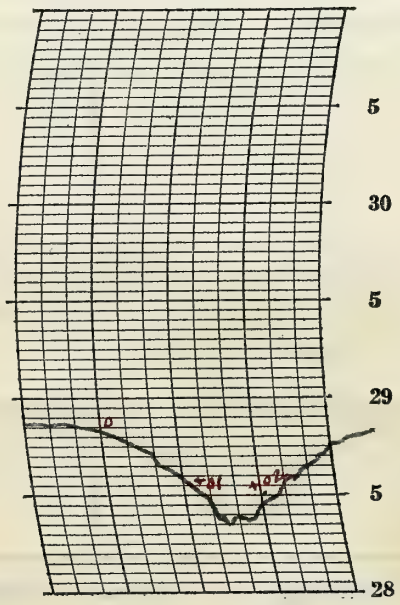
THERMOGRAPH




THERMOGRAPH




BAROGRAPH.




Prepared by R.E.L.
Verified by L.C.S

8—486

## NOTES

Special observation sent to Chicago observer because of barometer drop of .24 in 3 hours. (2:15 P.M. Local time)
River frozen over
Streets slippery. A light freezing mist formed glaze on the pavements in the evening.
Flying conditions poor to very poor.

Form No. 1014—Met'l

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Wednesday, (Date) FEB 8 1922, 193

Time (local standard) 90 mer. normal time.

| | A.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 | P.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Temperature at end of hour | 9 | 8 | 8 | 9 | 8 | 7 | 6 | 6 | 6 | 8 | 8 | 10 | 11 | 9 | 9 | 8 | 6 | 4 | 2 | 0 | -2 | -4 | -6 | -7 |
| State of weather. Nature of precipitation and time of beginning and ending | | | | | | | | | SP B 8.40 | | | | SP E 1.00P | | | | | | | | | | | |
| Amounts of precipitation | | | | | | | | | T | T | T | T | T | | | | | | | | | | | |
| Cloudiness and other conditions | | | | | | ← | | | | Cloudy | | | | | | | | × | Clear | | | | | |
| Sunshine (in tenths of hours) | | | | | | | 0 | 0 | 0 | 0 | 0 | 1.0 | 1.0 | 0.6 | 0.7 | 0.3 | 0 | 0 | | | | | | |
| Wind direction | NW | W | W | W | W | W | W | W | W | W | W | W | W | W | W | W | W | W | W | W | W | W | W | W |
| Wind movement | 12 | 11 | 12 | 11 | 12 | 10 | 9 | 8 | 8 | 7 | 9 | 10 | 12 | 14 | 18 | 20 | 20 | 19 | 18 | 21 | 20 | 20 | 19 | 17 |

Sunrise: Time, 6:44 Character, Cloudy. Moonrise:

Sunset: Time, 5:07 Character, Cloudy. Moonset:

Maximum Temperature: 11 | Minimum temperature: −7 | Mean temperature: 2 | Normal temperature:

Total depth of snow for 24 hours ending 7 p. m., T inches.
Snow, sleet, and hail on ground 7 p. m., ____ inches.
Total snowfall, midnight to midnight, T inches.
Precipitation to 7 a. m., T ins.; to 7 p. m., T ins.
Total precipitation, midnight to midnight, T inches.
Character of day, Cloudy Moon phase, ____
Average daily cloudiness (0-10), 9
Actual sunshine, hours, 2.6 Possible sunshine, hours, 10.4
Per cent of possible sunshine, 25
Prevailing wind direction, W Total wind, 337
Average hourly velocity, 14.0 Extreme velocity, 25
Maximum velocity, 23 Direction, W
Time began, 9:07 P.M.
Reduced barometer, 29.90.7 a. m. 30.23.7 p. m.
River gage, 2.4 feet
Relative humidity, 80 7 a. m. 59 7 p. m.

Wind data corrected to true velocity.

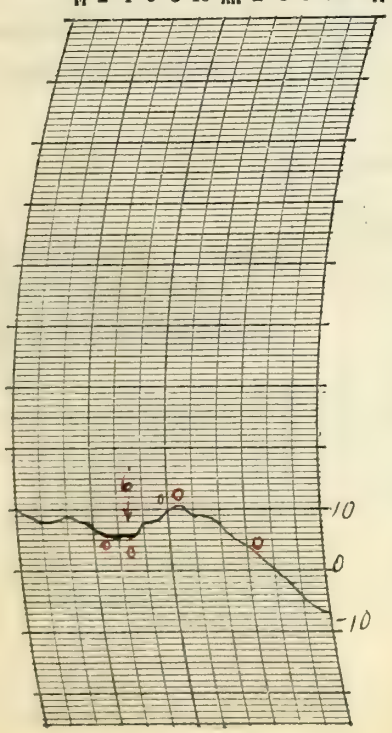
Excessive precipitation, accumulated amounts

| Total duration. From— | To— | Total amount of precipitation. | Excessive rate. Began— | Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | | | | | |

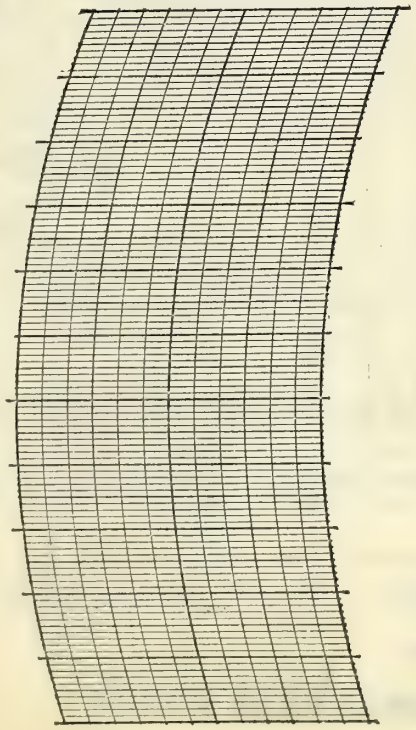
OBSERVATIONS AT 12 NOON. (Local Mean Time.)

Dry temperature, 9.5 Wet temperature, 8.5
Dew-point, 4 R. humidity, 78 V. pressure, .047
Clouds: Amount, 2; Kind, StCu; Direction, W
Velocity of clouds (miles per hour)

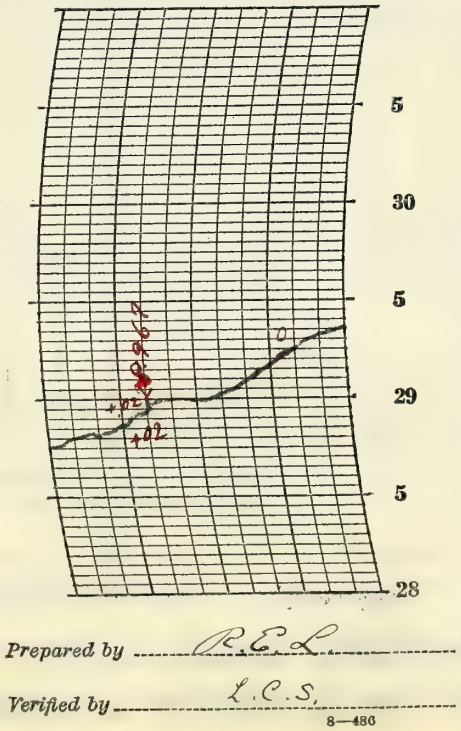
THERMOGRAPH




THERMOGRAPH




BAROGRAPH.




Prepared by R.E.L.

Verified by L.C.S.

8—486

## NOTES

Streets remain slippery and river is still crusted over. Skating conditions good.

The right, left and upper parhelia (Sun dogs) were observed at 4:20 P.M. and continued until nearly 5:00 P.M. Very brilliant about 4:30 P.

Form No. 1014—Met'l

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(Station) Fort Wayne Ind., (Day of week) Thursday, (Date) FEB 9 1933, 193

Time (local standard) 90 mer. normal time.

| | A.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 | P.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Temperature at end of hour | -7 | -7 | -6 | -6 | -7 | -9 | -12 | -14 | -14 | -13 | -11 | -8 | -8 | -7 | -6 | -7 | -8 | -7 | -6 | -4 | -3 | -3 | -2 | -1 |
| State of weather. Nature of precipitation and time of beginning and ending | | | | | | | | | | | | | | | | | | | | | | | | |
| Amounts of precipitation | | | | | | | | | | | | | | | | | | | | | | | | |
| Cloudiness and other conditions | | | | | | | | | | | Clear | | | | | | × Part Cloudy × | | | | Clear | | | |
| Sunrise: Time, Character, 6:43 Cloudy. Moonrise: | | | | | | | | | | | | | | | | | | | | | Sunset: Time, Character, 5:08 Cloudy. Moonset: | | | |
| Sunshine (in tenths of hours) | | | | | | | 0 | 0.4 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 0.3 | 0 | | | | | | |
| Wind direction | W | W | W | W | W | W | W | W | W | W | W | W | W | W | W | W | SW | SW | SW | SW | W | SW | SW | SW |
| Wind movement | 17 | 18 | 18 | 18 | 20 | 24 | 24 | 24 | 24 | 23 | 22 | 19 | 20 | 20 | 19 | 18 | 16 | 16 | 15 | 13 | 12 | 12 | 11 | 12 |
| Maximum velocities (exceeding 24 miles) direction and time | | | | | 25 W 4:38 | 28 W 5:22 | 26 W 6:45 | 27 W 7:14 | 30 W 8:13 | 25 W 9:30 | 26 W 10:27 | | | | | | | | | | | | | |

Wind data corrected to true velocity.

| Total duration. From— | To— | Total amount of precipitation. | Excessive rate. Began— | Ended— | Amount before excessive began. |
|---|---|---|---|---|---|
| | | | | | |

Excessive precipitation, accumulated amounts

Accumulated depths during excessive rate, for consecutive periods of time indicated below.

| 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | |

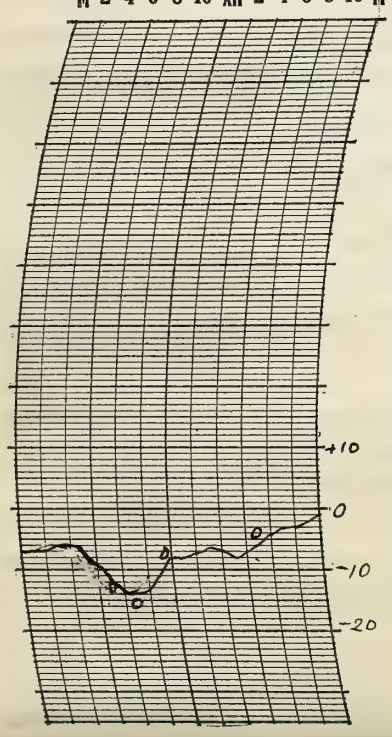
| Maximum Temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| -1 | -14 | -8 | |

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Clear Moon phase,
Average daily cloudiness (0-10), 1
Actual sunshine, hours, 8.7 Possible sunshine, hours, 10.4
Per cent of possible sunshine, 84
Prevailing wind direction, W Total wind, 435
Average hourly velocity, 18.1 Extreme velocity, 31
Maximum velocity, 30 Direction, W
Time began, 8:13 a.m.
Reduced barometer, 30.50 7 a. m. 30.64 7 p. m.
River gage, 2.3 feet
Relative humidity, 43 7 a. m. 56 7 p. m.

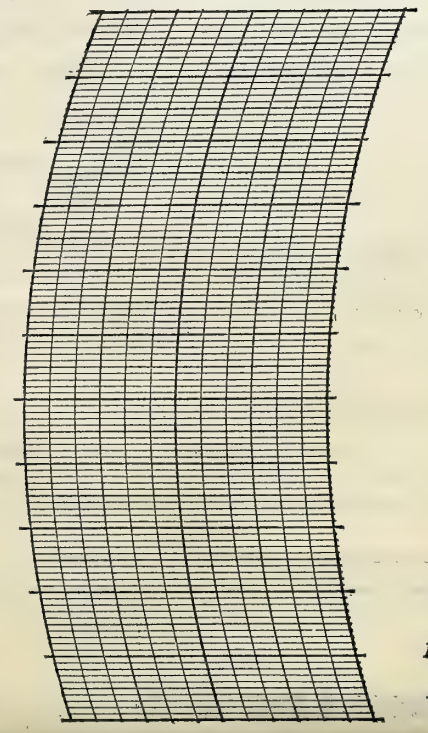
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, -8.2 Wet temperature, -9.6
Dew-point, -27 R. humidity, 33 V. pressure, .008
Clouds: Amount, Few; Kind, C.Cu; Direction, W
Velocity of clouds (miles per hour)

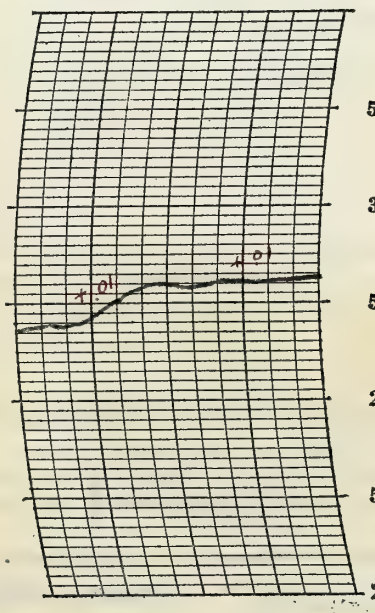
THERMOGRAPH




THERMOGRAPH




BAROGRAPH.




Prepared by R.E.L.

Verified by L.C.S.

8—486

## NOTES

Streets still slippy in spots.

Flying conditions excellent except for strong gusty winds.

Rivers and lagoons frozen.

Form No. 1014—Met'l

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Friday, (Date) FEB 10 1923, 193

Time (local standard) 90 mer. normal time.

| | A.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 | P.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Temperature at end of hour | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 3 | 6 | 9 | 11 | 15 | 17 | 19 | 19 | 21 | 20 | 20 | 20 | 19 | 19 | 20 | 18 SD 10.0 | 18 SD DN |
| State of weather. Nature of precipitation and time of beginning and ending | | | | | | | | | | | | | | | | | | | | | | | T | T |
| Amounts of precipitation | | | | | | | | | | | | | | | | | | | | | | | | |
| Cloudiness and other conditions | | | | | | | | | | Cloudy | | | | | | | | | × Part Cloudy | | | | | |
| Sunshine (in tenths of hours) | | | | | | | 0 | 0 | 0.7 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 0.2 | 0 | 0 | | | | | | |
| Wind direction | W | W | W | W | W | W | SW | SW | S | S | S | S | SW | S | S | S | S | S | S | S | S | S | SW | SW |
| Wind movement | 16 | 17 | 15 | 14 | 12 | 10 | 9 | 10 | 10 | 12 | 14 | 13 | 14 | 15 | 15 | 12 | 12 | 11 | 10 | 12 | 12 | 13 | 13 | 12 |
| Maximum velocities (exceeding 24 miles) direction and time | | | | | | | | | | | | | | | | | | | | | | | | |

Sunrise: Time, 6:42 Character, Cloudy. Moonrise:

Sunset: Time, 5:09 Character, Cloudy. Moonset:

Wind data corrected to true velocity.

| | Total duration. From— | To— | Total amount of precipitation. | Excessive rate. Began— | Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Excessive precipitation, accumulated amounts | | | | | | | | | | | | | | | | | | | | |

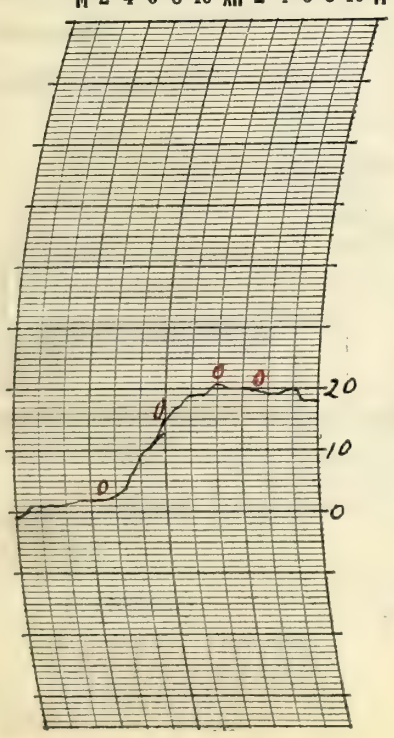
| Maximum Temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 21 | −1 | 10 | |

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0.2 inches.
Total snowfall, midnight to midnight, T inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, T inches.
Character of day, Cloudy Moon phase,
Average daily cloudiness (0-10), 9
Actual sunshine, hours, 6.9 Possible sunshine, hours, 10.4
Per cent of possible sunshine, 66
Prevailing wind direction, S Total wind, 303
Average hourly velocity, 12.6 Extreme velocity, 21
Maximum velocity, 20 Direction, W
Time began, 1:05 a. m.
Reduced barometer, 30.62 7a. m. 30.26 7p. m.
River gage, 2.5 feet
Relative humidity, 66 7a. m. 53 7p. m.

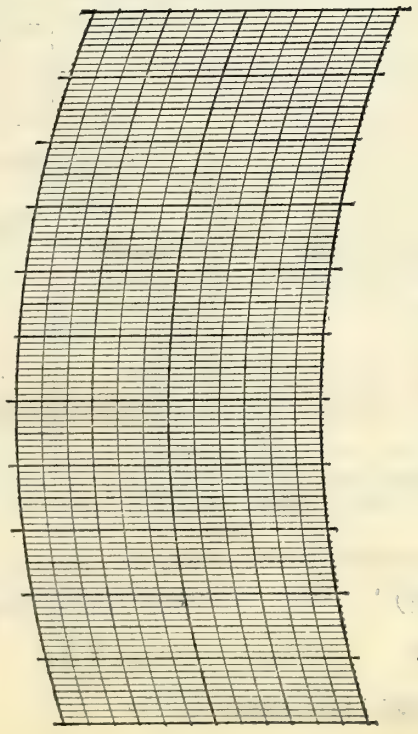
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 15.2 Wet temperature, 12.8
Dew-point, 4 R. humidity, 58 V. pressure, .047
Clouds: Amount, 8; Kind, Cirst; Direction, W
Velocity of clouds (miles per hour)

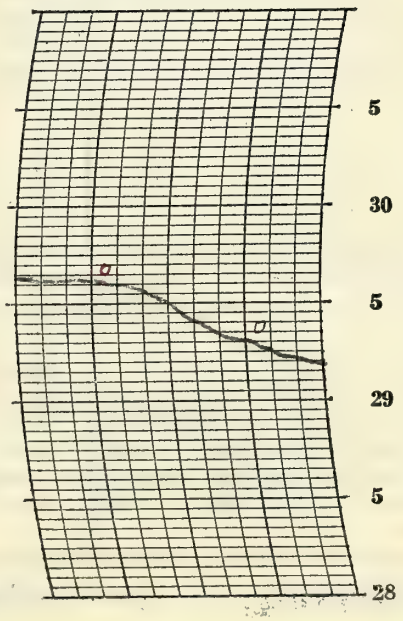
THERMOGRAPH




THERMOGRAPH




BAROGRAPH.




Prepared by R. E. L.

Verified by L. C. S.

8—486

## NOTES

Streets still slippery in spots.

Flying conditions excellent.

Many skaters on lagoons.

Form No. 1014—Met'l

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Saturday, (Date) FEB 11 1933, 193

Time (local standard) 90 mer. normal time.

| | A.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 | P.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Temperature at end of hour | 18 | 19 | 19 | 17 | 14 | 11 | 10 | 9 | 11 | 11 | 11 | 11 | 12 | 13 | 12 | 11 | 8 | 6 | 5 | 4 | 3 | 3 | 2 | 1 |
| State of weather. Nature of precipitation and time of beginning and ending | | | | | | | | | | | | | | | | | | | | | | | | |
| Amounts of precipitation | | | | | | | | | | | | | | | | | | | | | | | | |
| Cloudiness and other conditions | | | | | ← | | | | | Clear | | | | | | | | | | | | | | → |
| Sunshine (in tenths of hours) | | | | | | | .32 0 | 0.5 0.5 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 0.6 0.4 | .17 .0 | | | | | | |
| Wind direction | SW | SW | W | W | W | W | W | W | W | W | W | W | W | W | W | W | W | W | W | W | W | W | W | W |
| Wind movement | 12 | 13 | 15 | 19 | 16 | 14 | 15 | 15 | 16 | 18 | 18 | 18 | 18 | 15 | 16 | 15 | 14 | 14 | 11 | 12 | 12 | 10 | 9 | 9 |
| Maximum velocities (exceeding 24 miles) direction and time | | | | | | | | | | | | | | | | | | | | | | | | |

Sunrise: Time, 6:41 Character, Clear
Moonrise: ---- ----

Sunset: Time, 5:10 Character, Clear
Moonset: ---- ----

Wind data corrected to true velocity.

| | Total duration. From— | To— | Total amount of precipitation. | Excessive rate. Began— | Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Excessive precipitation, accumulated amounts | | | | | | | | | | | | | | | | | | | | |

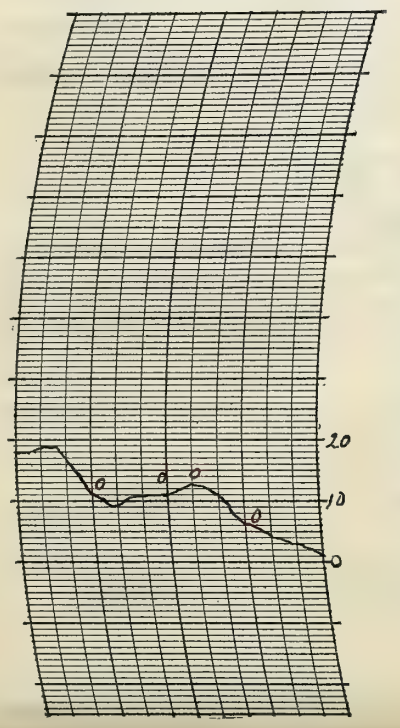
| Maximum Temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 19 | 1 | 10 | |

Total depth of snow for 24 hours ending 7 p. m., T inches.
Snow, sleet, and hail on ground 7 p. m., 0.2 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., T ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Clear Moon phase, ----
Average daily cloudiness (0–10), 0
Actual sunshine, hours, 10.5 Possible sunshine, hours, 10.5
Per cent of possible sunshine, 100
Prevailing wind direction, W Total wind, 344
Average hourly velocity, 14.3 Extreme velocity, 24
Maximum velocity, 22 Direction, W
Time began, 3:00 a. m.
Reduced barometer, 30.20 7 a. m. 30.39 7 p. m.
River gage, 2.4 feet
Relative humidity, 70 7 a. m. 69 7 p. m.

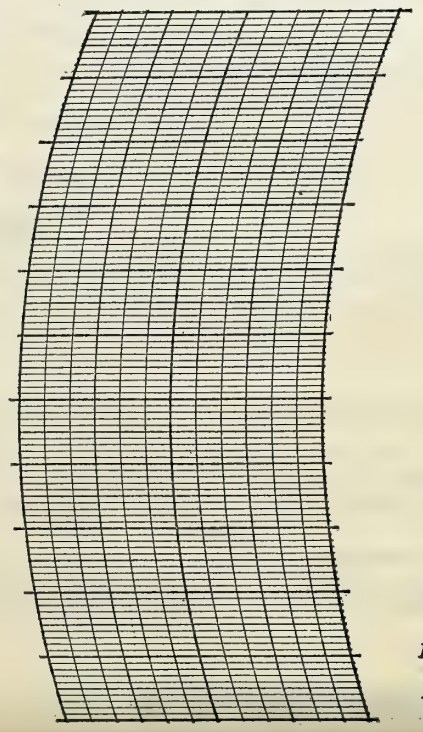
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 11.1 Wet temperature, 9.0
Dew-point, 0 R. humidity, 57 V. pressure, .038
Clouds: Amount, 0; Kind, —; Direction, —
Velocity of clouds (miles per hour)

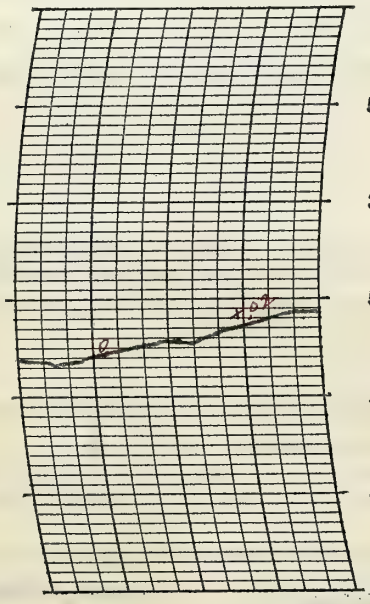
THERMOGRAPH




THERMOGRAPH




BAROGRAPH.




Prepared by R.E.L.
Verified by L.C.S.

8—486

## NOTES

Streets still slippery in spots.
Flying conditions excellent
Rivers still frozen over.

Form No. 1014—Met'1

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(Station) Fort Wayne Ind, (Day of week) Sunday, (Date) FEB 12 1933, 193

Time (local standard) 90 mer. normal time.

| | A.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 | P.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Temperature at end of hour | 1 | 1 | 2 | 3 | 4 | 4 | 5 | 7 | 10 | 14 | 19 | 21 | 24 | 27 | 30 | 29 | 28 | 27 | 26 | 24 | 23 | 24 | 24 | 24 |
| State of weather. Nature of precipitation and time of beginning and ending | | | | | | | | | | | | | | | | | | | | | | | | |
| Amounts of precipitation | | | 2 | | | | | | | | | | | | | | | | | | | | | |
| Cloudiness and other conditions | | | | | | Cloudy | | | | | | Part Cloudy | Cloudy | Cloudy | Clear | | | | | | | | | |
| Sunrise: Time, Character, 6:39 Cloudy. Moonrise: | | | | | | | | | | | | | | | | | | | | | Sunset: Time, Character, 5:12 Clear. Moonset: | | | |
| Sunshine (in tenths of hours) | | | | | | | 0 | 0 | 0 | 0.7 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 0.5 0.5 | .20 0 | | | | | | |
| Wind direction | SW | SW | SW | SW | SW | S | S | SE | SE | SE | SE | S | S | S | S | S | S | S | S | S | S | S | SW | SW |
| Wind movement | 8 | 8 | 9 | 6 | 7 | 6 | 8 | 8 | 11 | 12 | 13 | 15 | 15 | 19 | 18 | 18 | 13 | 12 | 11 | 11 | 10 | 10 | 11 | 10 |
| Maximum velocities (exceeding 24 miles) direction and time | | | | | | | | | | | | | | | | | | | | | | | | |

| Maximum Temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 30 | 1 | 16 | |

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0.1 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Part Cloudy Moon phase,
Average daily cloudiness (0-10), 5
Actual sunshine, hours, 7.9 Possible sunshine, hours, 10.6
Per cent of possible sunshine, 75
Prevailing wind direction, S Total wind, 269
Average hourly velocity, 11.2 Extreme velocity, 24
Maximum velocity, 22 Direction, S
Time began, 3:05 PM.
Reduced barometer, 30.41 7a. m. 30.07 7p. m.
River gage, 2.3
Relative humidity, 74 7a. m. 54 7p. m.

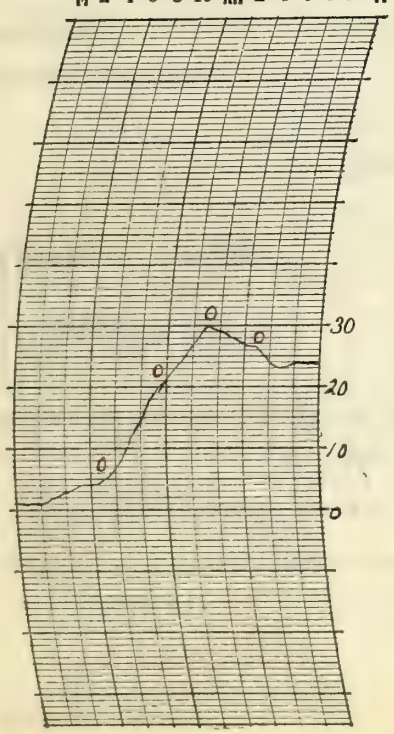
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 31.2 Wet temperature, 17.7
Dew-point, 7 R. humidity, 50 V. pressure, .054
Clouds: Amount, 3 ac; Kind, Cst; Direction, w
Velocity of clouds (miles per hour)

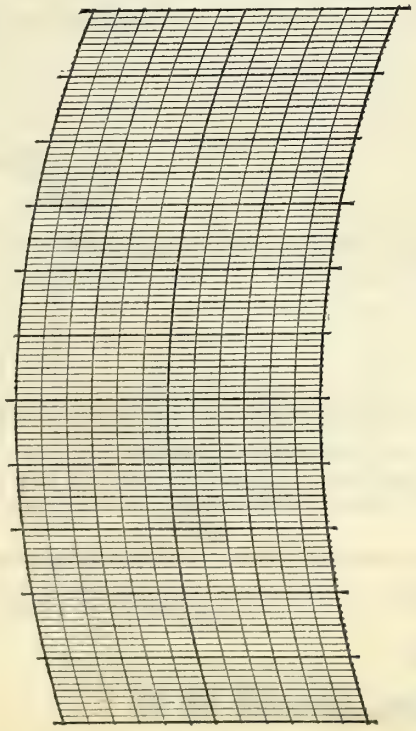
Wind data corrected to true velocity.

| Total duration. From— | To— | Total amount of precipitation. | Excessive rate. Began— | Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | | | | | |
| Excessive precipitation, accumulated amounts | | | | | | | | | | | | | | | | | | | |

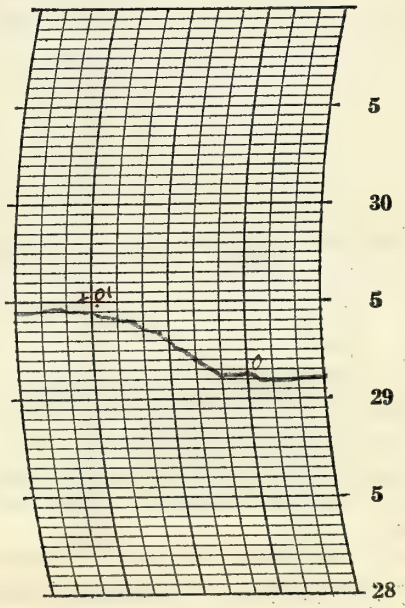
THERMOGRAPH




THERMOGRAPH




BAROGRAPH.




Prepared by R.C.L.

Verified by L.C.S.

8—486

## NOTES

Lying conditions excellent.

Streets in good condition with exception of patches of ice near curbs and in shaded spots.

Rivers still frozen over.

Form No. 1014—Met'l

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Monday, (Date) FEB 13 1933, 193

Time (local standard) 90 mer. normal time.

| | A.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 | P.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Temperature at end of hour (24) | 26 | 24 | 24 | 23 | 23 | 23 | 24 | 25 | 27 | 32 | 35 | 38 | 40 | 43 | 40 | 38 | 38 | 36 | 36 | 36 | 36 | 36 | 36 | 36 |
| State of weather. Nature of precipitation and time of beginning and ending | | | | | | | | | | | | | | | | | Rg 4:45 | | | | | | DNP | |
| Amounts of precipitation | | | | | | | | | | | | | | | | | T | T | T | light | | rain | ? | |
| Cloudiness and other conditions | | | | Part Cloudy | | | Cloudy + smoke | | | Cloudy | | | Clear | | | Cloudy | | | | | | Light Fog | |
| Sunshine (in tenths of hours) | | | | | | | 0 | 0.1 | 0.5 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 0.4 | 0 | 0 | 0 | | | | | | |
| Wind direction | SW | SW | SW | SW | SW | SW | SW | SW | S | S | S | S | S | S | S | S | S | S | S | S | S | SW | SW | SW |
| Wind movement | 12 | 10 | 9 | 9 | 7 | 7 | 4 | 7 | 7 | 8 | 9 | 11 | 12 | 14 | 15 | 14 | 13 | 12 | 10 | 10 | 9 | 9 | 11 | 9 |
| Maximum velocities (exceeding 24 miles) direction and time | | | | | | | | | | | | | | | | | | | | | | | | |

Sunrise: Time, 6:38 Character, Cloudy
Moonrise:
Sunset: Time, 5:13 Character, Cloudy
Moonset:

Wind data corrected to true velocity.

Excessive precipitation, accumulated amounts

| Total duration. From— | To— | Total amount of precipitation. | Excessive rate. Began— | Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | | | | | |

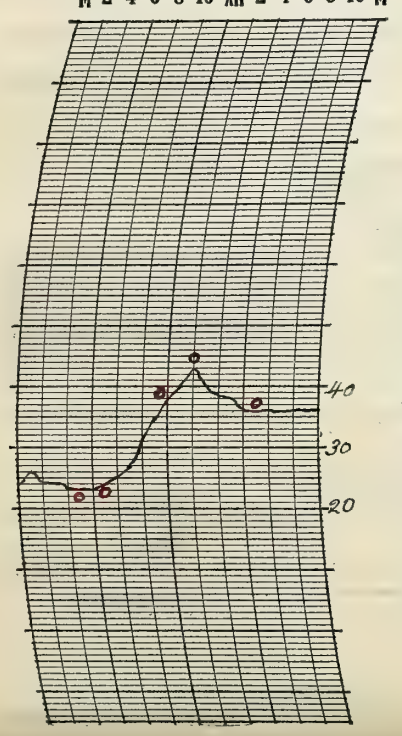
| Maximum Temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 43 | 23 | 33 | |

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., T inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., T ins.
Total precipitation, midnight to midnight, .06 inches.
Character of day, Part Cloudy Moon phase,
Average daily cloudiness (0-10), 6
Actual sunshine, hours, 6.0 Possible sunshine, hours, 10.6
Per cent of possible sunshine, 57
Prevailing wind direction, S Total wind, 238
Average hourly velocity, 9.9 Extreme velocity, 18
Maximum velocity, 17 Direction, S
Time began, 2:29 PM.
Reduced barometer, 30.13 7 a. m. 29.96 7 p. m.
River gage, 2.1 feet
Relative humidity, 82 7 a. m. 85 7 p. m.

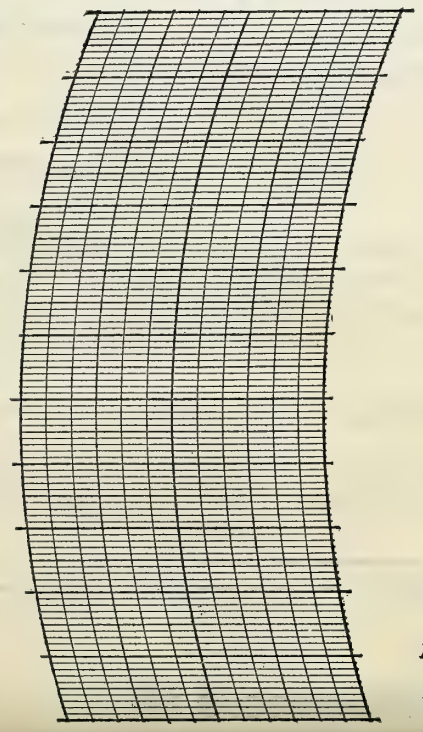
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 38.0 Wet temperature, 31.9
Dew-point, 23 R. humidity, 50 V. pressure, 1.18
Clouds: Amount, 1; Kind, Cu; Direction, W
Velocity of clouds (miles per hour)

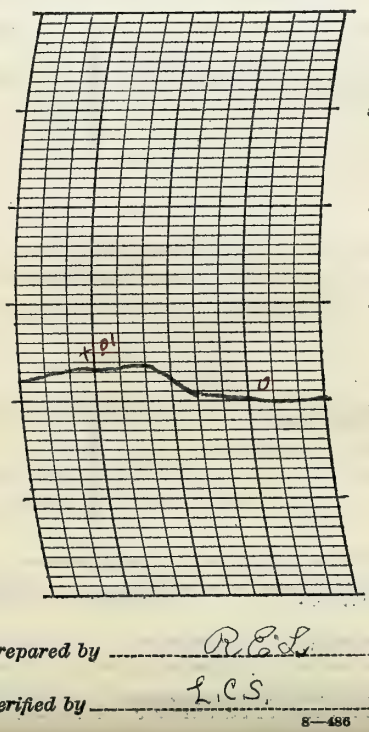
THERMOGRAPH




THERMOGRAPH




BAROGRAPH.




Prepared by R.E.L.
Verified by L.C.S.

8—486

## NOTES

Lunar halo at 12:20 A.M. (GCS.)

Visibility reduced by smoke and haze in the early part of the day. Light haze continued throughout the day.

Light fog began about 9:00 P.M.

Rivers still frozen over

Form No. 1014—Met'1

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Tuesday, (Date) FEB 14 1933, 193

Time (local standard) 90 mer. normal time.

| | A.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 | P.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Temperature at end of hour | 36 | 36 | 36 | 36 | 35 | 35 | 35 | 35 | 35 | 34 | 34 | 34 | 34 | 33 | 32 | 32 | 32 | 31 | 31 | 30 | 29 | 28 | 27 | 26 |
| State of weather. Nature of precipitation and time of beginning and ending | | | | | | | | | | | | R mist B 1155 | | | | R mist E 4.00 | | | | | | | | |
| Amounts of precipitation | | | | | | | | | | | | T | T | T | T | T | | | | | | | | |
| Cloudiness and other conditions | H fog | | | | | | Cloudy | | | x D. fog | | | x Lt fog | | | | | | | | | | | |
| Wind direction | SW | SW | W | W | W | NW | NW | NW | NW | NW | NW | NW | NW | NW | NW | NW | NW | N | N | NW | NW | NW | NW | NW |
| Wind movement | 9 | 7 | 9 | 9 | 9 | 5 | 4 | 4 | 5 | 4 | 5 | 4 | 7 | 8 | 9 | 9 | 9 | 10 | 9 | 10 | 9 | 10 | 12 | 13 |
| Sunshine (in tenths of hours) | | | | | | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | |

Sunrise: Time, 6:37 Character, Cloudy
Moonrise:
Sunset: Time, 5:14 Character, Cloudy
Moonset:

Maximum Temperature. 36 | Minimum temperature. 26 | Mean temperature. 31 | Normal temperature.

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., .06 ins.; to 7 p. m., T ins.
Total precipitation, midnight to midnight, T inches.
Character of day, Cloudy Moon phase,
Average daily cloudiness (0-10), 10
Actual sunshine, hours, 0 Possible sunshine, hours, 10.6
Per cent of possible sunshine, 0
Prevailing wind direction, NW Total wind, 189
Average hourly velocity, 7.9 Extreme velocity, 16
Maximum velocity, 15 Direction, NW
Time began, 10:48 PM.
Reduced barometer, 30.07 7 a. m. 30.14 7 p. m.
River gage, 1.9 feet
Relative humidity, 96 7 a. m. 74 7 p. m.

Wind data corrected to true velocity.

Maximum velocities (exceeding 24 miles) direction and time

| Total duration. From— | To— | Total amount of precipitation. | Excessive rate. Began— | Ended— | Amount before excessive began. |
|---|---|---|---|---|---|
| | | | | | |

Excessive precipitation, accumulated amounts

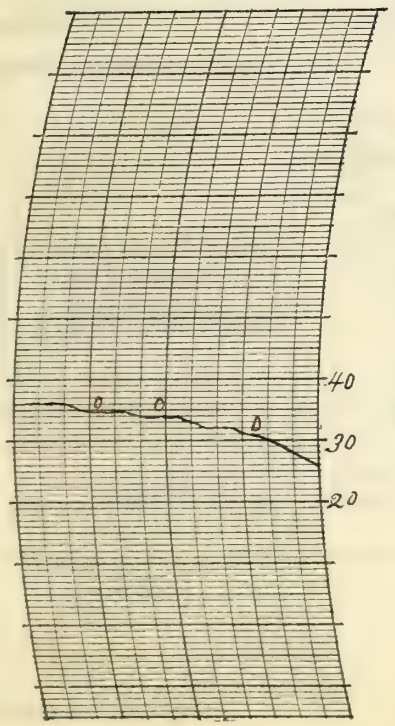
Accumulated depths during excessive rate, for consecutive periods of time indicated below.

| 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | |

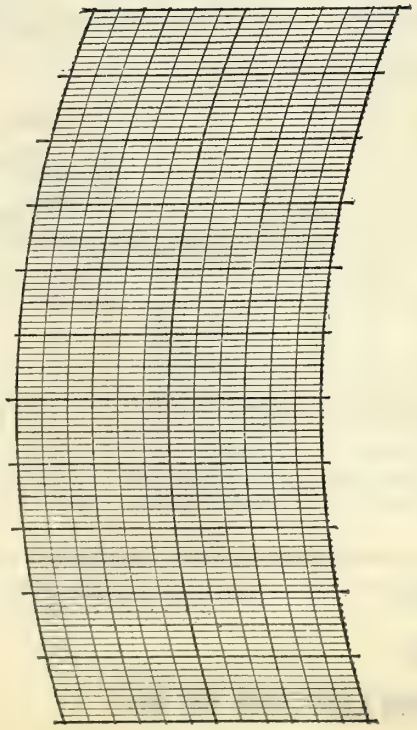
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 34.1 Wet temperature, 33.9
Dew-point, 34 R. humidity, 98 V. pressure, .195
Clouds: Amount, 10; Kind, D. Fog; Direction, NW
Velocity of clouds (miles per hour)

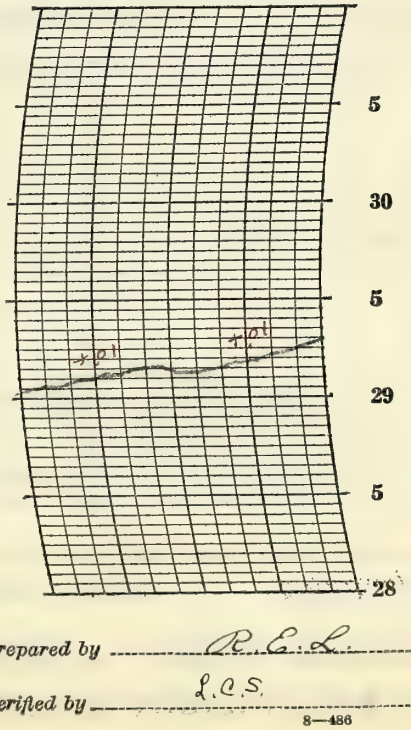
THERMOGRAPH




THERMOGRAPH




BAROGRAPH.




Prepared by R. E. L.

Verified by L. C. S.

8—486

## NOTES

Lying conditions poor due to fog. Conditions improved in the late afternoon.

Rivers still frozen over.

Form No. 1014—Met'l

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Wednesday, (Date) FEB 15 1933, 193

Time (local standard) 90 mer. normal time.

| | A.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 | P.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Temperature at end of hour | 25 | 24 | 23 | 22 | 21 | 19 | 18 | 19 | 22 | 24 | 25 | 26 | 27 | 27 | 28 | 28 | 28 | 26 | 25 | 24 | 24 | 24 | 24 | 24 |
| State of weather. Nature of precipitation and time of beginning and ending | | | | | | | | | | | | | | | | | | | | | | | | |
| Amounts of precipitation | | | | | | | | | | | | | | | | | | | | | | | | |
| Cloudiness and other conditions | | | | | | | | | | | | clear | | | | | | | | | | | | |
| Sunshine (in tenths of hours) | | | | | | | 0 | 0.5 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 0.2 0.8 | 2.5 0 | | | | | | |
| Wind direction | NW | NW | NW | NW | NW | NW | W | W | W | NW | NW | NW | NW | W | W | W | W | W | SW | SW | SW | S | S | S |
| Wind movement | 12 | 12 | 12 | 12 | 10 | 9 | 9 | 10 | 12 | 13 | 12 | 12 | 15 | 15 | 13 | 12 | 13 | 10 | 7 | 8 | 8 | 9 | 11 | 10 |
| Maximum velocities (exceeding 24 miles) direction and time | | | | | | | | | | | | | | | | | | | | | | | | |

Sunrise: Time, 6:35 Character, Cloudy. Moonrise:

Sunset: Time, 5:15 Character, Clear. Moonset:

Wind data corrected to true velocity.

| Total duration. From— | To— | Total amount of precipitation. | Excessive rate. Began— | Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | | | | | |

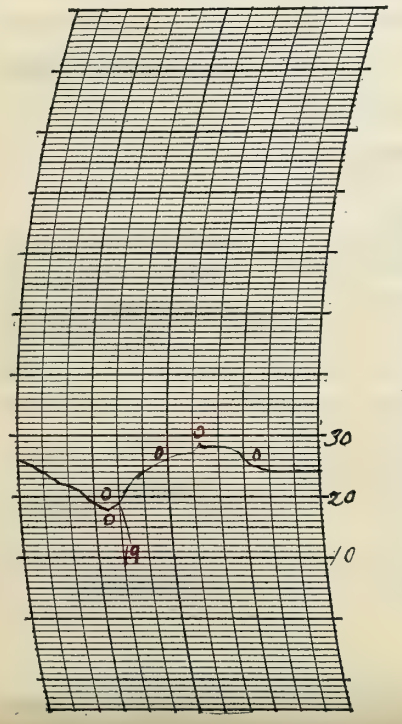
Excessive precipitation, accumulated amounts

| Maximum Temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 29 | 18 | 24 | |

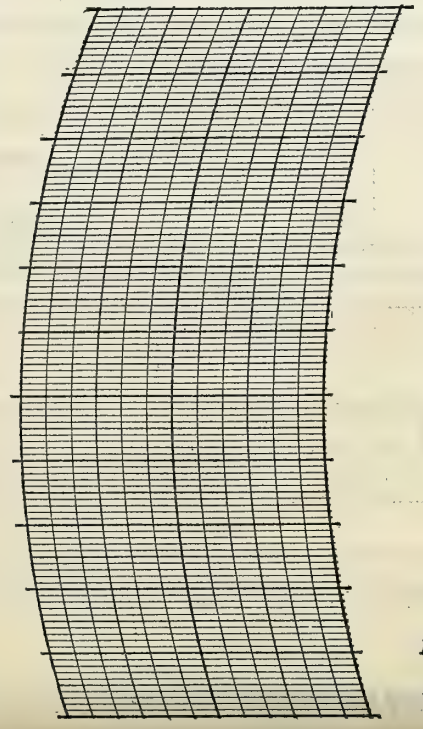
Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, clear Moon phase,
Average daily cloudiness (0-10), 1
Actual sunshine, hours, 9.8 Possible sunshine, hours, 10.7
Per cent of possible sunshine, 92
Prevailing wind direction, NW Total wind, 266
Average hourly velocity, 11.1 Extreme velocity, 18
Maximum velocity, 17 Direction, W
Time began, 1:16 PM.
Reduced barometer, 30.427 a. m. 30.43 7 p. m.
River gage, 1.9 feet
Relative humidity, 81 7 a. m. 50 7 p. m.

OBSERVATIONS AT 12 NOON.
(Local Mean Time.)
Dry temperature, 26.0 Wet temperature, 21.8
Dew-point, 11 R. humidity, 50 V. pressure, .066
Clouds: Amount, 1; Kind, Ac; Direction, W
Velocity of clouds (miles per hour)

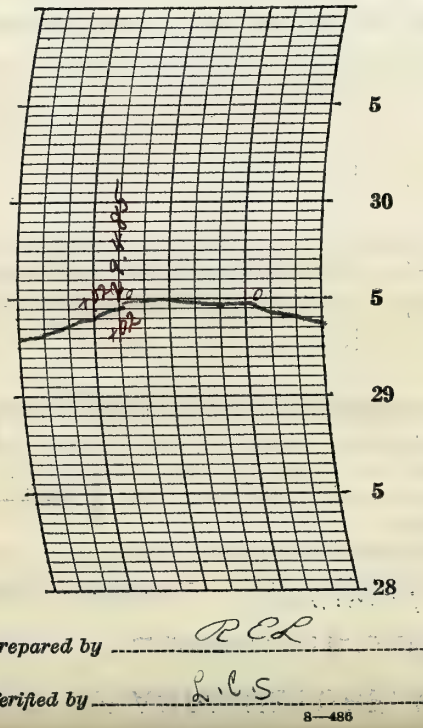
THERMOGRAPH




THERMOGRAPH




BAROGRAPH.




Prepared by R C L

Verified by L. C. S

8—486

## NOTES

Flying conditions excellent.

Rivers still frozen over

Form No. 1014—Met'1

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(Station) Fort Wayne Ind, (Day of week) Thursday, (Date) FEB 16 1933, 193

Time (local standard) 90 mer. normal time.

| | A.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 | P.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Temperature at end of hour | 24 | 24 | 24 | 24 | 23 | 24 | 25 | 26 | 28 | 30 | 34 | 38 | 40 | 42 | 44 | 42 | 42 | 39 | 38 | 38 | 39 | 38 | 37 | 35 |
| State of weather. Nature of precipitation and time of beginning and ending | | | | | | | | | | | | | | | | | | | | | | | | |
| Amounts of precipitation | | | | | | | | | | | | | | | | | | | | | | | | |
| Cloudiness and other conditions | | | | | | | Cloudy | ← | ← | ← | ← | Part Cloudy | ← | ← | ← | ← | ← | ← | ← | → | | | | |
| Sunshine (in tenths of hours) | | | | | | | 0 | 0 | 0 | 0.1 | 0.2 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 0.3 | 0 | | | | | | |
| Wind direction | S | SW | SW | SW | SW | SW | SW | SW | SW | SW | SW | SW | SW | SW | SW | SW | S | S | SW | SW | SW | SW | W | W |
| Wind movement | 11 | 10 | 11 | 12 | 10 | 12 | 15 | 16 | 18 | 18 | 18 | 21 | 19 | 18 | 18 | 15 | 11 | 9 | 7 | 8 | 9 | 9 | 7 | 5 |
| Maximum velocities (exceeding 24 miles) direction and time | | | | | | | | | | | | | | | | | | | | | | | | |

Sunrise: Time, 6:34 Character, Cloudy. Moonrise: ---

Sunset: Time, 5:16 Character, Cloudy. Moonset: ---

Wind data corrected to true velocity.

| | Total duration. From— | To— | Total amount of precipitation. | Excessive rate. Began— | Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Excessive precipitation, accumulated amounts | | | | | | | | | | | | | | | | | | | | |

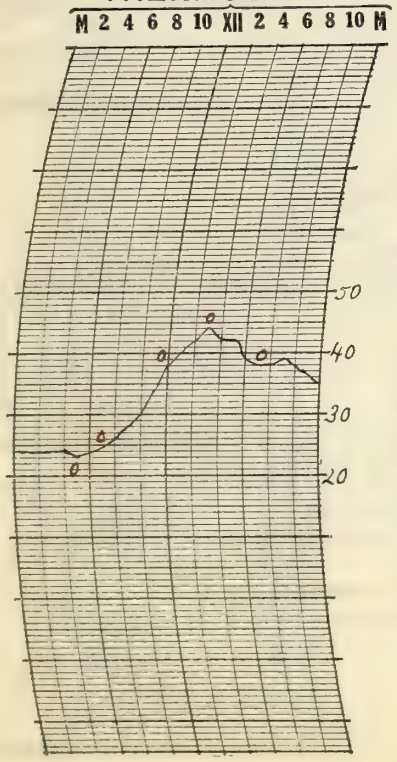
| Maximum Temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 44 | 23 | 34 | |

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Part Cloudy Moon phase, ---
Average daily cloudiness (0-10), 7
Actual sunshine, hours, 5.6 Possible sunshine, hours, 10.7
Per cent of possible sunshine, 52
Prevailing wind direction, SW Total wind, 307
Average hourly velocity, 12.8 Extreme velocity, 24
Maximum velocity, 23 Direction, SW
Time began, 11:36 a. m.
Reduced barometer, 30.17 7 a. m. 29.82 7 p. m.
River gage, 1.6 feet
Relative humidity, 57 7 a. m. 57 7 p. m.

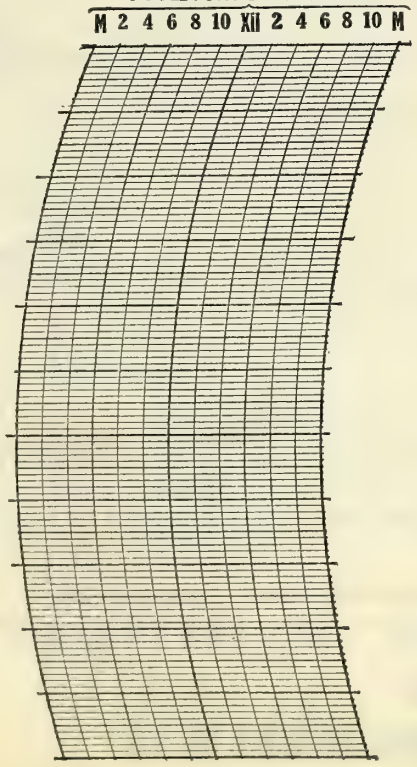
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 38.3 Wet temperature, 30.8
Dew-point, 18 R. humidity, 40 V. pressure, .093
Clouds: Amount, 7; Kind, Cirst; Direction, W
Velocity of clouds (miles per hour)

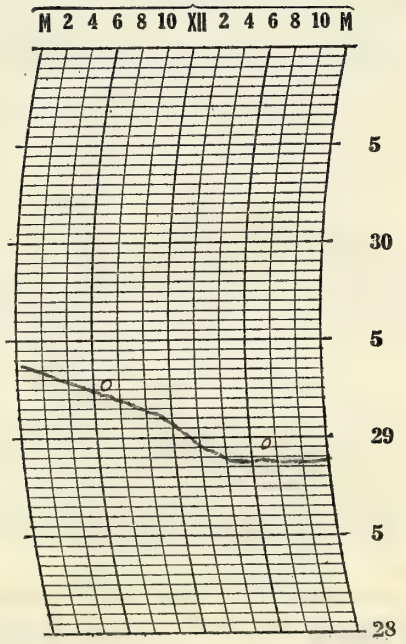
THERMOGRAPH




THERMOGRAPH




BAROGRAPH.




Prepared by R.E.L.

Verified by I.C.S.

8—486

## NOTES

Excellent day for flying.

Rivers still frozen over.

Form No. 1014—Met'l

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) FRIDAY, (Date) FEB 17 1933, 193

Time (local standard) 90 mer. normal time.

| | A.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 | P.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Temperature at end of hour (95) | 35 | 33 | 32 | 32 | 31 | 31 | 30 | 29 | 30 | 32 | 34 | 36 | 38 | 38 | 38 | 36 | 36 | 33 | 33 | 32 | 31 | 30 | 29 | 28 |
| State of weather. Nature of precipitation and time of beginning and ending | | | | | | | | | | | | | | | | | | | | | | | | |
| Amounts of precipitation | | | | | | | | | | | | | | | | | | | | | | | | |
| Cloudiness and other conditions | | | | | | ← | – | – | – | – | Cloudy | – | – | – | – | – | – | → | Part Cloudy ? | | | | | |
| Sunrise: Time, 6:33 Character, Cloudy. Moonrise: | | | | | | | | | | | | | | | | | | | | | Sunset: Time, 5:18 Character, Cloudy. Moonset: | | | |
| Sunshine (in tenths of hours) | | | | | | | 0 | 0 | 0.8 | 1.0 | 1.0 | 1.0 | 1.0 | 0.2 | 0.4 | 0.1 | 0 | 0 | | | | | | |
| Wind direction | W | WNW | NW | N | N | N | N | N | NE | NE | NE | NE | NE | NE | NW | NW | NW | NW | NW | NW | NW | W | W | W |
| Wind movement | 5 | 6 | 6 | 5 | 6 | 4 | 5 | 6 | 8 | 7 | 6 | 4 | 4 | 4 | 7 | 9 | 7 | 8 | 5 | 5 | 5 | 7 | 7 | 7 |
| Maximum velocities (exceeding 24 miles) direction and time | | | | | | | | | | | | | | | | | | | | | | | | |

Wind data corrected to true velocity.

| | Total duration. From— | To— | Total amount of precipitation. | Excessive rate. Began— | Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Excessive precipitation, accumulated amounts | | | | | | | | | | | | | | | | | | | | |

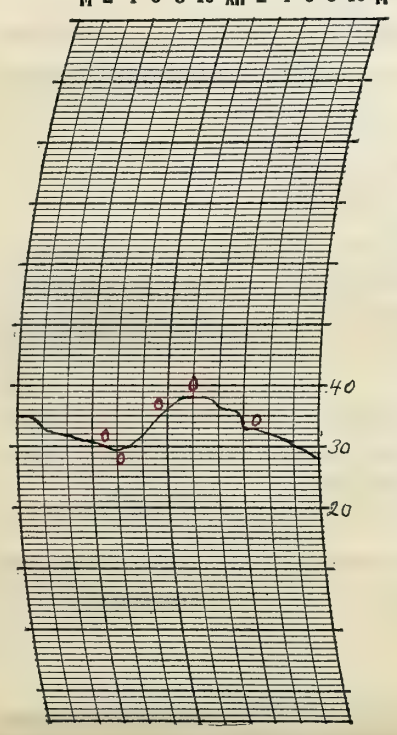
| Maximum Temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 38 | 28 | 33 | |

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Cloudy Moon phase,
Average daily cloudiness (0–10), 10
Actual sunshine, hours, 5.5 Possible sunshine, hours, 10.8
Per cent of possible sunshine, 51
Prevailing wind direction, NW Total wind, 143
Average hourly velocity, 6.0 Extreme velocity, 9
Maximum velocity, 9 Direction, NW
Time began, 3:00 P.M.
Reduced barometer, 29.88 7 a. m. 29.93 7 p. m.
River gage, 1.7 feet
Relative humidity, 79 7 a. m. 69 7 p. m.

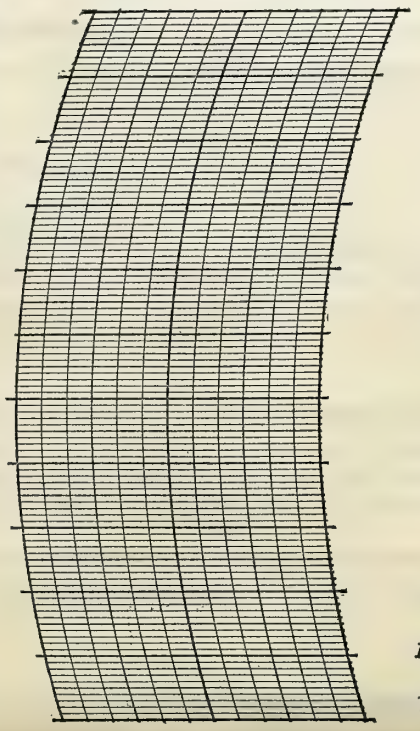
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 36.0 Wet temperature, 31.2
Dew-point, 24 R. humidity, 58 V. pressure, .124
Clouds: Amount, 5; Kind, cirst; Direction, W
Velocity of clouds (miles per hour)

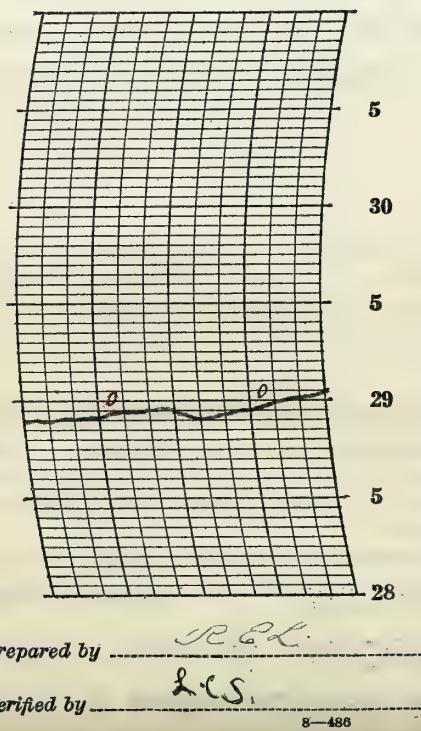
THERMOGRAPH




THERMOGRAPH




BAROGRAPH.




Prepared by R C L.

Verified by L C S.

8—486

## NOTES

Dense haze in early morning changing to light later in the day.

Solar halo observed during mid-afternoon.

Flying conditions very good to excellent.

Rivers still frozen over

Form No. 1014—Met'1

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Saturday, (Date) FEB 18 1933, 193

Time (local standard) 90 mer. normal time.

| | A.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 | P.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Temperature at end of hour | 28 | 27 | 27 | 27 | 26 | 25 | 25 | 26 | 30 | 33 | 36 | 37 | 38 | 39 | 40 | 40 | 40 | 38 | 36 | 34 | 34 | 32 | 32 | 30 |
| State of weather. Nature of precipitation and time of beginning and ending | | | | | | | | | | | | | | | | | | | | | | | | |
| Amounts of precipitation | | | | | | | | | | | | | | | | | | | | | | | | |
| Cloudiness and other conditions | | | | | | | ← | — | Clear | | | | | | | | | | | | → | | | |
| Sunrise: Time, Character, 6:31 Clear. Moonrise: | | | | | | | | | | | | | | | | | | | | | Sunset: Time, Character, 5:19 Clear. Moonset: | | | |
| Sunshine (in tenths of hours) | | | | | | | .48 0 | 0.6 0.4 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 0.3 0.7 | .32 0 | | | | | | |
| Wind direction | W | W | W | NW | NW | NW | N | N | N | NE | E | SE | S | S | SE | E | SE | E | E | E | E | E | E | E |
| Wind movement | 7 | 6 | 6 | 7 | 6 | 6 | 7 | 7 | 7 | 6 | 5 | 6 | 6 | 6 | 7 | 6 | 7 | 6 | 5 | 7 | 7 | 8 | 8 | 6 |
| Maximum velocities (exceeding 24 miles) direction and time | | | | | | | | | | | | | | | | | | | | | | | | |

| Wind data corrected to true velocity. | Total duration. From— | To— | Total amount of precipitation. | Excessive rate. Began— | Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Excessive precipitation, accumulated amounts | | | | | | | | | | | | | | | | | | | | |

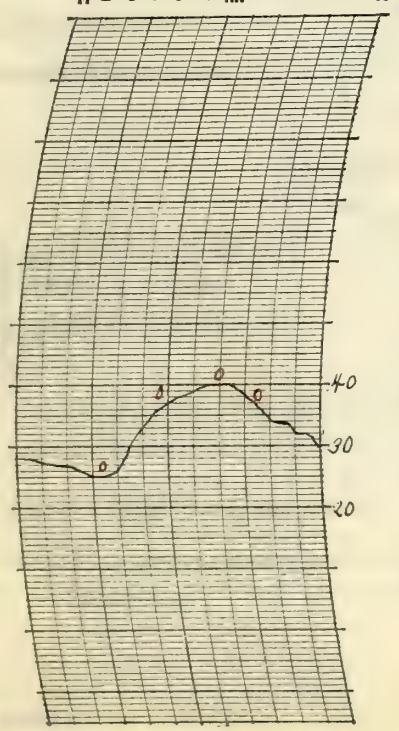
| Maximum Temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 40 | 25 | 32 | |

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Clear Moon phase,
Average daily cloudiness (0-10), 0
Actual sunshine, hours, 10.8 Possible sunshine, hours, 10.8
Per cent of possible sunshine, 100
Prevailing wind direction, E Total wind, 155
Average hourly velocity, 6.5 Extreme velocity, 9
Maximum velocity, 9 Direction, E
Time began, 8:05 PM
Reduced barometer, 30.13 7a. m. 30.19 7p. m.
River gage, 1.9 feet
Relative humidity, 76 7a. m. 56 7p. m.

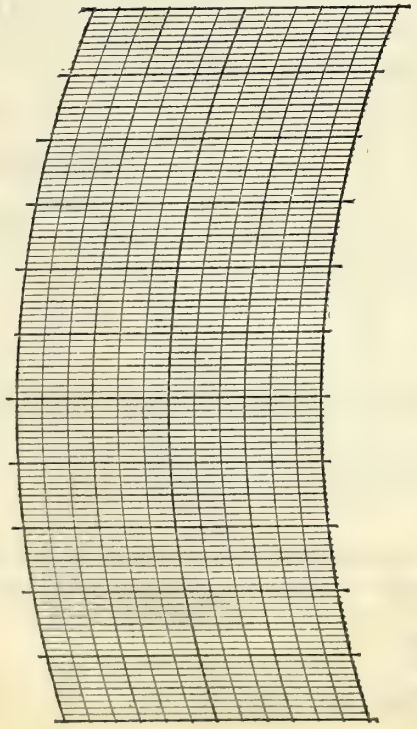
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 36.8 Wet temperature, 30.8
Dew-point, 21 R. humidity, 49 V. pressure, 1.08
Clouds: Amount, 0; Kind, —; Direction, —
Velocity of clouds (miles per hour)

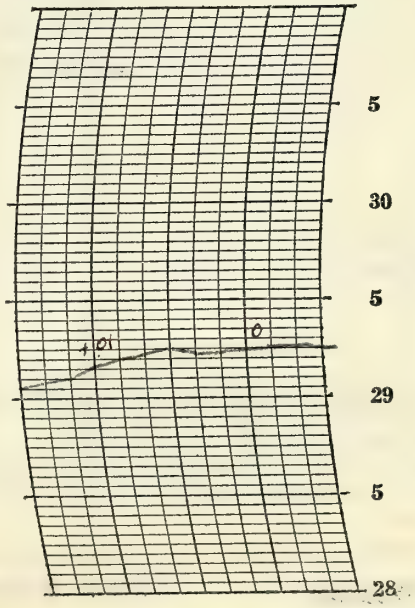
THERMOGRAPH




THERMOGRAPH




BAROGRAPH.




Prepared by R.E.L.

Verified by L.C.S.

8—486

## NOTES

Visibility limited somewhat by haze especially in early morning.

Rivers still frozen over

Form No. 1014—Met'l

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Sunday, (Date) FEB 19 1933, 193

Time (local standard) 90 mer. normal time.

| | A. M. | | | | | | | | | | | | P. M. | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 | 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 |
| Temperature at end of hour | 30 | 28 | 28 | 27 | 28 | 32 | 33 | 35 | 38 | 40 | 43 | 46 | 46 | 46 | 48 46 | 47 | 46 | 46 | 46 | 45 | 44 | 42 | 40 | 39 |
| State of weather: Nature of precipitation and time of beginning and ending | | | | | | | | | | | | | | Ro 1:40 | | | | | | | Re 8:05 | | | |
| State of weather: Amounts of precipitation | | | | | | | | | | | | | | Light to moderate | | | | | | | | | | |
| State of weather: Cloudiness and other conditions | | | | | | ← | | | | | Cloudy | | Cloudy | | | | | | | | | | → | |
| Sunshine (in tenths of hours) | | | | | | | 0 | 0 | 0.8 | 0.4 | 0.7 | 1.0 | 0.8 | 0 | 0 | 0 | 0 | 0 | | | | | | |
| Wind direction | E | E | E | E | E | SE | SE | SE | SE | SE | S | S | S | S | S | S | S | S | SW | SW | SW | W | W | W |
| Wind movement | 7 | 6 | 7 | 8 | 5 | 10 | 12 | 12 | 12 | 12 | 15 | 17 | 17 | 12 | 12 | 12 | 14 | 14 | 13 | 13 | 12 | 15 | 15 | 15 |
| Maximum velocities (exceeding 24 miles) direction and time | | | | | | | | | | | | | | | | | | | | | | | | |

Sunrise: Time, 6:30 Character, Cloudy. Moonrise: ____ ____

Sunset: Time, 5:20 Character, Cloudy. Moonset: ____ ____

Wind data corrected to true velocity.

| Total duration. From— | Total duration. To— | Total amount of precipitation. | Excessive rate. Began— | Excessive rate. Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | | | | | |

Excessive precipitation, accumulated amounts

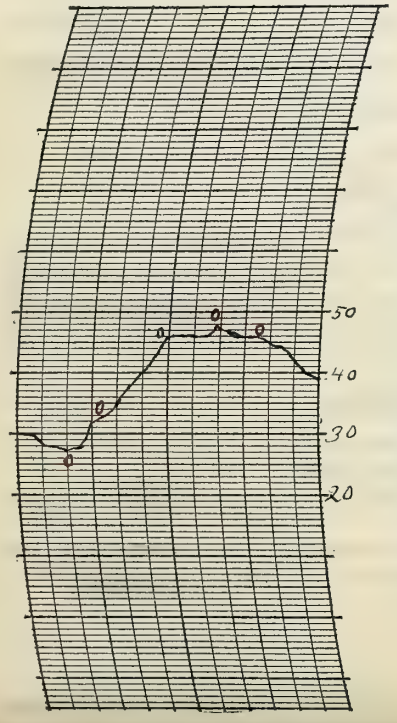
| Maximum Temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 48 | 27 | 38 | |

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., .19 ins.
Total precipitation, midnight to midnight, .28 inches.
Character of day, Cloudy Moon phase, ____
Average daily cloudiness (0-10), 10
Actual sunshine, hours, 3.7 Possible sunshine, hours, 10.8
Per cent of possible sunshine, 34
Prevailing wind direction, S Total wind, 287
Average hourly velocity, 12.0 Extreme velocity, 26
Maximum velocity, 24 Direction, S
Time began, 12:20 PM.
Reduced barometer, 30.06 7 a. m. 29.72 7 p. m.
River gage, 1.9 feet
Relative humidity, 60 7 a. m. 96 7 p. m.

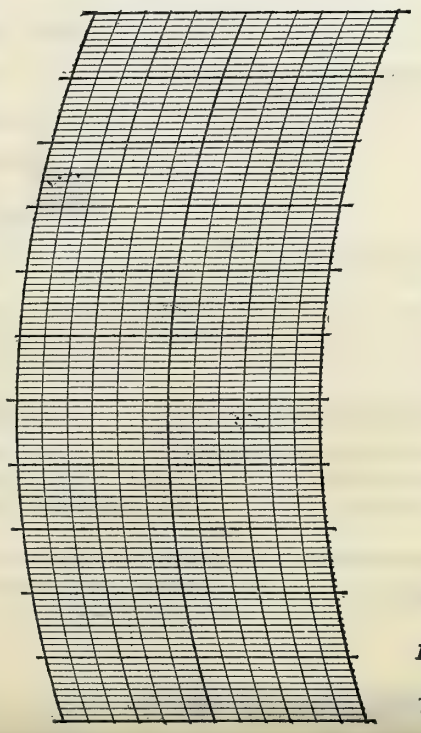
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 46.0 Wet temperature, 41.5
Dew-point, 36 R. humidity, 69 V. pressure, 211
Clouds: Amount, 4; Kind, Sc Cu; Direction, S
Velocity of clouds (miles per hour) ____

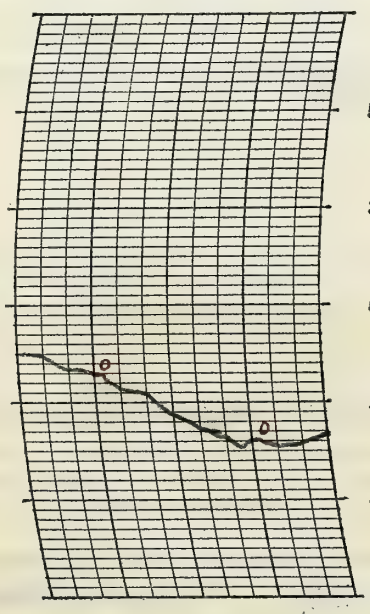
THERMOGRAPH




THERMOGRAPH




BAROGRAPH.




Prepared by R E L

Verified by L. C. S.

8—486

## NOTES

Flying conditions very good & fair.

Ice leaving some parts of rivers.

Form No. 1014—Met'l

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(Station) Fort Wayne. Ind., (Day of week) Monday, (Date) FEB 20 1933, 193

Time (local standard) 90 mer. normal time.

| | A.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 | P.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Temperature at end of hour | 37 | 37 | 36 | 35 | 33 | 33 | 32 | 34 | 36 | 38 | 38 | 40 | 42 | 43 42 | 42 | 42 | 41 | 40 | 38 | 37 | 36 | 36 | 36 | 38 | 38 |
| State of weather. Nature of precipitation and time of beginning and ending | | | | | | | | | | | | | | | | | | | | | | | | |
| Amounts of precipitation | | | | | | | | | | | | | | | | | | | | | | | | |
| Cloudiness and other conditions | | | | | | ← Clear | | | | | | | | | | | | | | | | | | → |
| Sunrise: Time, Character, 6:29 Clear. Moonrise: | | | | | | | | | | | | | | | | | | | | | Sunset: Time, Character, 5:21 Clear. Moonset: | | | |
| Sunshine (in tenths of hours) | | | | | | | .52 0 | 0.3 0.7 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 0.1 0.9 | .35 0 | | | | | | |
| Wind direction | W | W | W | SW | SW | SW | SW | SW | SW | W | W | W | W | W | W | W | W | W | W | SW | SW | SW | SW | SW |
| Wind movement | 11 | 11 | 11 | 9 | 11 | 10 | 11 | 12 | 13 | 15 | 18 | 19 | 21 | 21 | 21 | 21 | 21 | 16 | 12 | 11 | 12 | 15 | 19 | 21 |
| Maximum velocities (exceeding 24 miles) direction and time | | | | | | | | | | | | | | | | 26 W 3:15 | 26 W 4:02 | | | | | | | 28 W 11:40 |

Wind data corrected to true velocity.

| Total duration. From— | To— | Total amount of precipitation. | Excessive rate. Began— | Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | | | | | |

Excessive precipitation, accumulated amounts

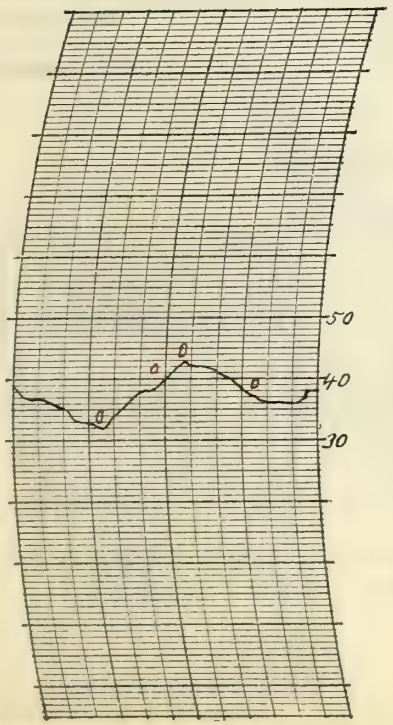
| Maximum Temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 43 | 32 | 38 | |

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0.02 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Clear Moon phase,
Average daily cloudiness (0-10), 1
Actual sunshine, hours, 10.9 Possible sunshine, hours, 10.9
Per cent of possible sunshine, 100
Prevailing wind direction, W Total wind, 362
Average hourly velocity, 15.1 Extreme velocity, 32
Maximum velocity, 28 Direction, W
Time began, 11:40 P.M.
Reduced barometer, 29.83 7 a. m. 29.90 7 p. m.
River gage, 3.8 feet
Relative humidity, 82 7 a. m. 64 7 p. m.

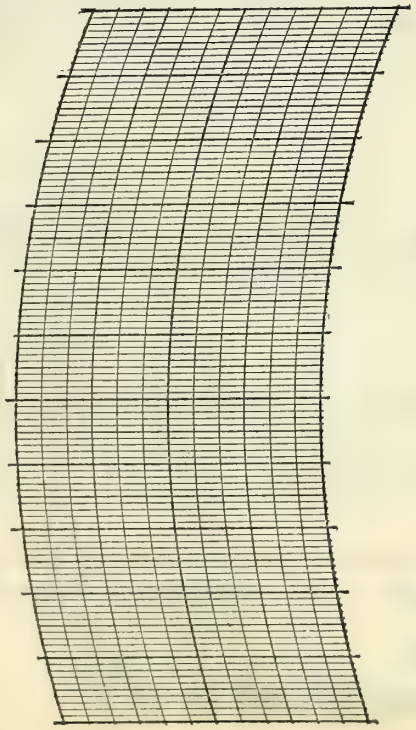
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 40.0 Wet temperature, 34.1
Dew-point, 25 R. humidity, 54 V. pressure, 130
Clouds: Amount, 2; Kind, Ac; Direction, W
Velocity of clouds (miles per hour)

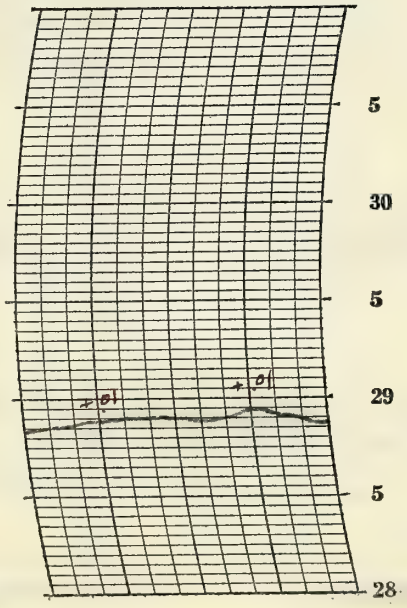
THERMOGRAPH




THERMOGRAPH




BAROGRAPH.




Prepared by R. E. L.

Verified by L. C. S.

8—486

## NOTES

Visibility excellent with unlimited Ceilings.
Ice over sections of rivers.

Form No. 1014—Met'1

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Tuesday, (Date) FEB 21 1933, 193

Time (local standard) 90 mer. normal time.

| | A.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 | P.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Temperature at end of hour | 33 | 33 | 30 | 26 | 24 | 22 | 21 | 21 (20) | 22 | 24 | 25 | 26 | 28 | 30 | 30 | 31 | 30 | 30 | 30 | 29 | 30 | 31 | 32 | 33 |
| State of weather: Nature of precipitation and time of beginning and ending | | S D BDNA | | E DNA | | | | | | | | | | | | | | | | | | | | |
| Amounts of precipitation | | | | | | | | | | | | | | | | | | | | | | | | |
| Cloudiness and other conditions | | | | | | ← | | | | | Clear | | | | | | × Part Cloudy | | Clear | | | | | |
| Sunshine (in tenths of hours) | | | | | | | .55 0 | .3 0.7 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 0.8 0.2 | .31 0 | | | | | | |
| Wind direction | W | W | NW | NW | NW | NW | NW | NW | NW | NW | W | W | W | W | W | SW | SW | S | S | SE | SE | SE | SE | SE |
| Wind movement | 23 | 25 | 27 | 24 | 18 | 19 | 20 | 18 | 17 | 15 | 13 | 12 | 12 | 10 | 9 | 9 | 9 | 8 | 7 | 8 | 9 | 10 | 9 | 9 |
| Maximum velocities (exceeding 24 miles) direction and time | 30 NW 12:18 | 32 NW 1:51 | 33 W 2:08 | 28 NW 3:07 | 25 NW 4:04 | | | | | | | | | | | | | | | | | | | |

Sunrise: Time, 6:27 Character, clear. Moonrise: ---- ----

Sunset: Time, 5:22 Character, clear. Moonset: ---- ----

Wind data corrected to true velocity.

| Total duration. From— | To— | Total amount of precipitation. | Excessive rate. Began— | Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | | | | | |

Excessive precipitation, accumulated amounts

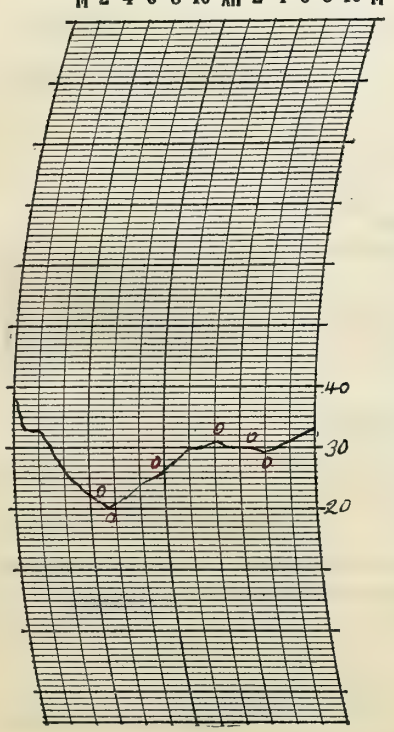
| Maximum Temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 38 | 20 | 29 | |

Total depth of snow for 24 hours ending 7 p. m., T inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, T inches.
Precipitation to 7 a. m., T ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, T inches.
Character of day, clear Moon phase, ----
Average daily cloudiness (0-10), 1
Actual sunshine, hours, 10.9 Possible sunshine, hours, 10.9
Per cent of possible sunshine, 100
Prevailing wind direction, NW Total wind, 340
Average hourly velocity, 14.1 Extreme velocity, 43
Maximum velocity, 33 Direction, W
Time began, 2:08 a.m.
Reduced barometer, 30.15 7 a. m. 30.30 7 p. m.
River gage, 5.7 feet
Relative humidity, 57 7 a. m. 62 7 p. m.

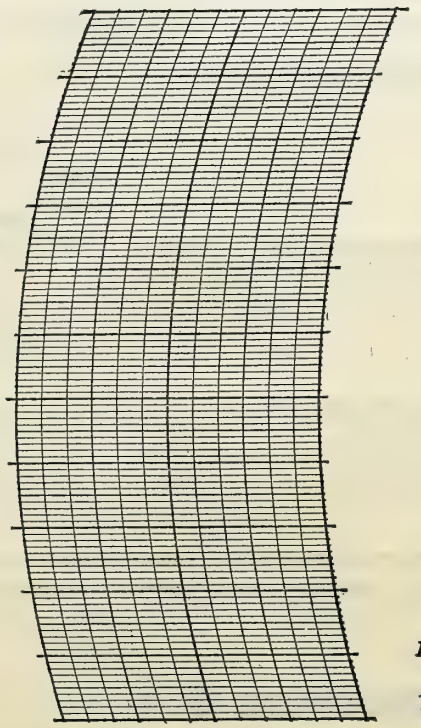
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 25.7 Wet temperature, 21.9
Dew-point, 12 R. humidity, 54 V. pressure, 0.20
Clouds: Amount, 0; Kind, —; Direction, —
Velocity of clouds (miles per hour)

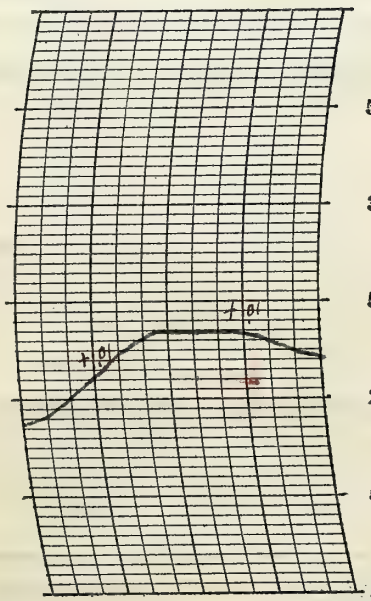
THERMOGRAPH




THERMOGRAPH




BAROGRAPH.




Prepared by R E L

Verified by L. C. S.

8—486

## NOTES

Flying conditions excellent.
Ice in rivers melting fast
Frozen over in some places.

Form No. 1014—Met'1

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Wednesday, (Date) FEB 22 1933, 193

Time (local standard) 90 mer. normal time.

| | A.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 | P.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Temperature at end of hour | 34 | 33 | 34 | 34 | 36 | 38 | 39 | 42 | 44 | 49 | 51 | 53 | 54 | 58 | 57 | 55 | 54 | 52 | 52 | 50 | 50 | 50 | 45 | 41 |
| State of weather. Nature of precipitation and time of beginning and ending | | | | | | | | | | | | | | | | | | | | | R 08:20 E 8:40 | | | |
| Amounts of precipitation | | | | | | | | | | | | | | | | | | | | | T | | | |
| Cloudiness and other conditions | | | | | ← Clear | | | | | × Part cloudy × | | | Cloudy × | | Part cloudy × | | | | Clear | | × Cloudy × | | | |
| Sunrise: Time, 6:26 Character, Clear | | | | | | | | | | | | | | | | | | | | | Sunset: Time, 5:24 Character, Clear | | | |
| Moonrise: | | | | | | | | | | | | | | | | | | | | | Moonset: | | | |
| Sunshine (in tenths of hours) | | | | | | | .57 0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 0.8 0.2 | .40 0 | | | | | | |
| Wind direction | S | S | S | S | S | S | S | S | S | S | S | S | S | S | S | SW | SW | SW | SW | SW | SW | SW | W | W |
| Wind movement | 10 | 9 | 8 | 9 | 10 | 12 | 15 | 18 | 18 | 18 | 20 | 21 | 21 | 25 | 24 | 24 | 19 | 18 | 21 | 21 | 20 | 21 | 21 | 17 |
| Maximum velocities (exceeding 24 miles) direction and time | | | | | | | | | | | | | | 30S 1:43P | 27S 2:48P | 30SW 3:15P | | | | | | 31W 9:53 | 28W 10:05 | |

Wind data corrected to true velocity.

| | Total duration. From— | To— | Total amount of precipitation. | Excessive rate. Began— | Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Excessive precipitation, accumulated amounts | | | | | | | | | | | | | | | | | | | | |

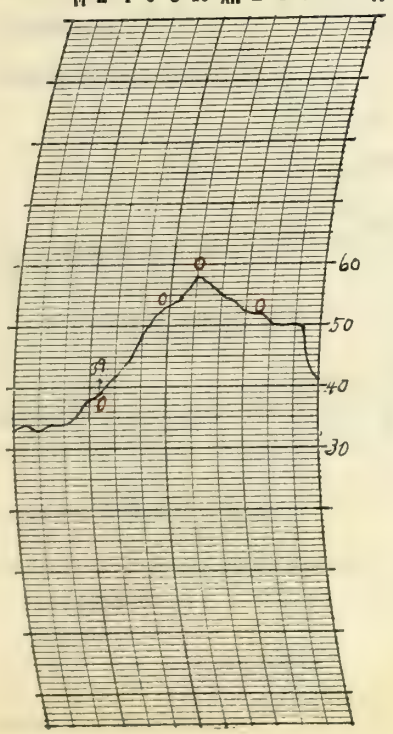
| Maximum Temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 58 | 33 | 46 | |

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, T inches.
Character of day, Part Cloudy Moon phase,
Average daily cloudiness (0-10), 5
Actual sunshine, hours, 11.0 Possible sunshine, hours, 11.0
Per cent of possible sunshine, 100
Prevailing wind direction, S Total wind, 420
Average hourly velocity, 12.5 Extreme velocity, 38
Maximum velocity, 31 Direction, W
Time began, 9:53 P
Reduced barometer, 30.04 7a. m. 29.71 7p. m.
River gage, 4.7 feet
Relative humidity, 56 7a. m. 56 7p. m.

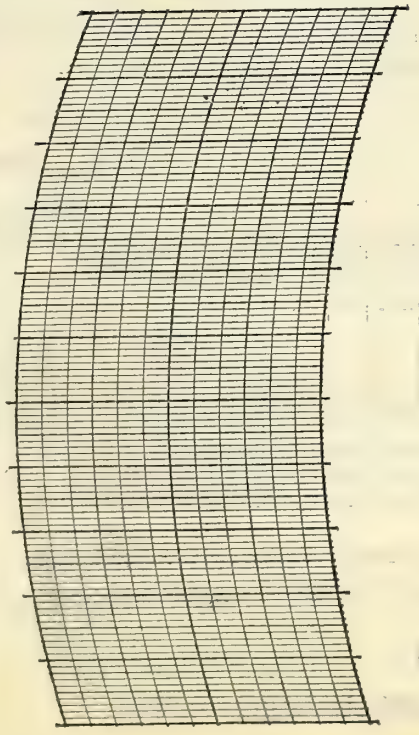
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 52.7 Wet temperature, 42.3
Dew-point, 29 R. humidity, 40 V. pressure, 1.57
Clouds: Amount, 2; Kind, A Cu; Direction, S W
Velocity of clouds (miles per hour)

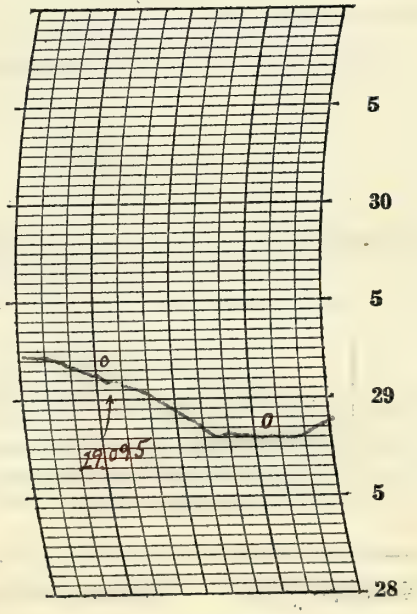
THERMOGRAPH




THERMOGRAPH




BAROGRAPH.




Prepared by L.C.S.

Verified by

8—486

## NOTES

Ceilings and visibility excellent.
Winds gusty.
Ice on rivers melting rapidly.

Form No. 1014—Met'1

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Thursday, (Date) FEB 23 1933, 193

| Time (local standard) 90 mer. normal time. | A.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 | P.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Temperature at end of hour (41) | 40 | 39 | 38 | 37 | 36 | 36 | 36 | 38 | 40 | 43 | 47 | 50 | 52 | 53 | 54 | 53 | 51 | 49 | 47 | 46 | 44 | 43 | 42 | 42 |
| State of weather: Nature of precipitation and time of beginning and ending | | | | | | | | | | | | | | | | | | | | | | | | |
| Amounts of precipitation | | | | | | | | | | | | | | | | | | | | | | | | |
| Cloudiness and other conditions | | | | + Clear | | | Part cloudy | Cloudy | | Part cloudy | | Clear | | | | | | | | | | | | |
| Sunshine (in tenths of hours) | | | | | | | 6.0 0 | 0.6 0.1 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 0.2 0.8 | .42 0 | | | | | | |
| Wind direction | W | W | SW | W | W | W | W | W | W | W | W | W | W | W | W | W | W | W | SW | SW | SW | SW | SW | SW |
| Wind movement | 15 | 15 | 11 | 10 | 11 | 10 | 11 | 12 | 15 | 15 | 16 | 18 | 19 | 17 | 18 | 16 | 14 | 10 | 7 | 7 | 5 | 7 | 7 | 10 |
| Maximum velocities (exceeding 24 miles) direction and time | | | | | | | | | | | | | | | | | | | | | | | | |

Sunrise: Time, 6:24 Character, Clear. Moonrise: ____ ____

Sunset: Time, 5:25 Character, Clear. Moonset: ____ ____

Wind data corrected to true velocity.

| Total duration. From— | To— | Total amount of precipitation. | Excessive rate. Began— | Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | | | | | |

Excessive precipitation, accumulated amounts

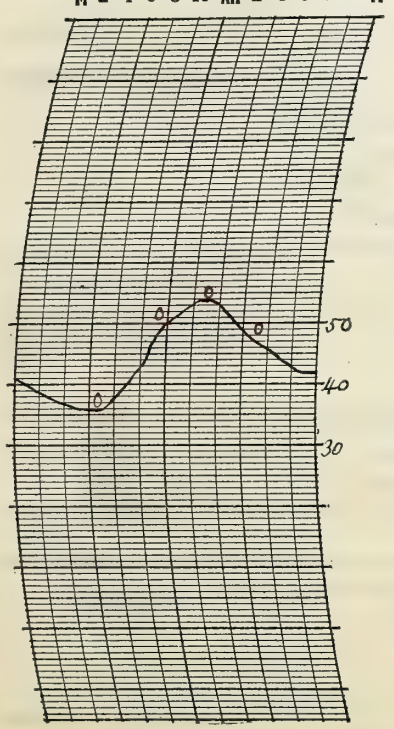
| Maximum Temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 54 | 36 | 45 | |

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., T ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Clear Moon phase, ____
Average daily cloudiness (0-10), 2
Actual sunshine, hours, 10.7 Possible sunshine, hours, 11.8
Per cent of possible sunshine, 97
Prevailing wind direction, W Total wind, 296
Average hourly velocity, 12.3 Extreme velocity, 25
Maximum velocity, 24 Direction, W
Time began, 12:18 P.M.
Reduced barometer, 29.93 7 a. m. 30.02 7 p. m.
River gage, 4.5 feet
Relative humidity, 76 7 a. m. 54 7 p. m.

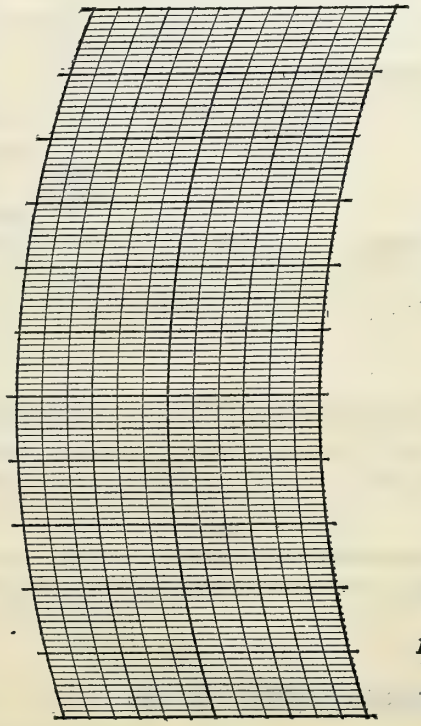
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 49.6 Wet temperature, 40.4
Dew-point, 28 R. humidity, 43 V. pressure, 29.50
Clouds: Amount, 0; Kind, 0; Direction, 0
Velocity of clouds (miles per hour) ____

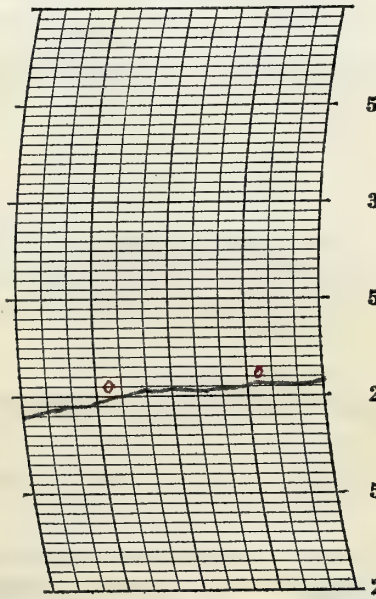
THERMOGRAPH




THERMOGRAPH




BAROGRAPH.




Prepared by L.E.S.

Verified by ____

8—486

## NOTES

Lying conditions excellent

Ice breaking away and moving out.

Light haze N.W. - 9 a.m.

Form No. 1014—Met'1

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Friday, (Date) FEB 24 1933, 193

Time (local standard) 90 mer. normal time.

| | A.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 | P.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Temperature at end of hour | 42 | 41 | 41 | 40 | 40 | 40 | 39 | 40 | 42 | 43 | 44 | 46 | 48 | 48 | 50 | 50 | 49 | 48 | 47 | 43 | 42 | 41 | 40 | 45 |
| State of weather. Nature of precipitation and time of beginning and ending | | | | | | | | | | | | | | | | | | | $R_B$ 6:30 | | | | | |
| Amounts of precipitation | | | | | | | | | | | | | | | | | | | .01 | .03 | T | .05 | .19 | .05 |
| Cloudiness and other conditions | | | | | Clear | | Part Cloudy | | | | | | Cloudy | | | | | | | | | | | |
| Sunrise: Time, Character, 6:23 Clear / Moonrise: | | | | | | | | | | | | | | | | | | | | | Sunset: Time, Character, 5:26 Cloudy / Moonset: | | | |
| Sunshine (in tenths of hours) | | | | | | | .62 0 | .05 0.5 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 0.3 | 0 | 0 | 0 | | | | | | |
| Wind direction | W | W | W | W | W | W | W | W | E | E | E | NE | E | E | E | E | E | E | E | E | E | E | E | S |
| Wind movement | 9 | 8 | 6 | 4 | 3 | 3 | 5 | 5 | 9 | 10 | 11 | 9 | 11 | 11 | 11 | 12 | 11 | 10 | 9 | 10 | 9 | 9 | 7 | 11 |
| Maximum velocities (exceeding 24 miles) direction and time | | | | | | | | | | | | | | | | | | | | | | | | |

Wind data corrected to true velocity.

| Total duration. From— | To— | Total amount of precipitation. | Excessive rate. Began— | Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | | | | | |

Excessive precipitation, accumulated amounts

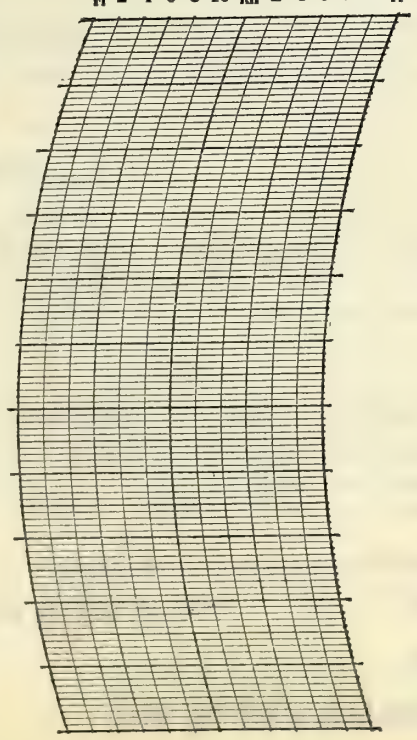
| Maximum Temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 50 | 39 | 44 | |

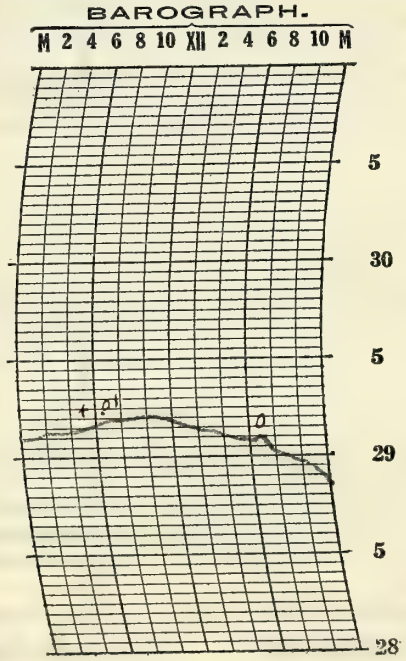
Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., T ins.
Total precipitation, midnight to midnight, 0.33 inches.
Character of day, Cloudy. Moon phase,
Average daily cloudiness (0-10), 8
Actual sunshine, hours, 7.9 Possible sunshine, hours, 11.0
Per cent of possible sunshine, 72
Prevailing wind direction, E Total wind, 203
Average hourly velocity, 8.5 Extreme velocity, 15
Maximum velocity, 15 Direction, S
Time began, 11:38 P.M.
Reduced barometer, 30.11 7 a. m. 30.02 7 p. m.
River gage, 4.4 feet
Relative humidity, 69 7 a. m. 66 7 p. m.

### OBSERVATIONS AT 12 NOON. (Local Mean Time.)

Dry temperature, 46.3 Wet temperature, 39.3
Dew-point, 30 R. humidity, 53 V. pressure, .164
Clouds: Amount, 3/5; Kind, cu-st; Direction, W
Velocity of clouds (miles per hour)

THERMOGRAPH
M 2 4 6 8 10 XII 2 4 6 8 10 M
50
40




Prepared by R.E.L.

Verified by L.C.S.

8—480

## NOTES

Flying conditions excellent
Rivers clear of ice.
Solar halo 10:45 a - 11:15 a.

Form No. 1014—Met'l

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Saturday, (Date) FEB 25 1933, 193

Time (local standard) 90 mer. normal time.

| | A.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 | P.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Temperature at end of hour (45) | 52 | 54 | 53 | 52 | 52 | 52 | 52 | 48 | 44 | 42 | 41 | 40 | 43 | 45 | 44 | 44 | 43 | 42 | 41 | 41 | 38 | 37 | 37 | 36 |
| State of weather. Nature of precipitation and time of beginning and ending | | | | RE DNA | | | | | | | | | | | | | | | | | SM E 8:30 | | SM E DNP | |
| Amounts of precipitation | .03 | .01 | .01 | .02 | T | | | | | | | | | | | | | | | | T | T | T | |
| Cloudiness and other conditions | | | | | | Cloudy | | | | | | | × Part Cloudy × | | | | Cloudy | | | | | | | |
| Sunshine (in tenths of hours) | | | | | | + | 0 | 0 | 0 | 0 | 0 | 0 | 0.9 | 1.0 | 1.0 | 1.0 | 0.1 | 0 | | | | | | |
| Wind direction | S | SW | SW | SW | SW | W | W | W | W | NW | NW | NW | NW | NW | NW | NW | NW | NW | W | NW | NW | NW | NW | NW |
| Wind movement | 18 | 17 | 11 | 14 | 12 | 12 | 16 | 18 | 20 | 21 | 21 | 22 | 24 | 26 | 23 | 22 | 19 | 19 | 18 | 21 | 22 | 19 | 21 | 21 |
| Maximum velocities (exceeding 24 miles) direction and time | | | | | | | | | | 25 W 9:18 | 25 W 10:15 | 26 NW 11:23 | 27 W 12:39 | 29 NW 1:05 | 26 NW 2:12 | | | | | | 25 NW 8:31 | | | |

Sunrise: Time, 6:21 Character, Cloudy. Moonrise: ---- ----

Sunset: Time, 5:27 Character, Cloudy. Moonset: ---- ----

Wind data corrected to true velocity.

| Total duration. From— | To— | Total amount of precipitation. | Excessive rate. Began— | Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | | | | | |

Excessive precipitation, accumulated amounts

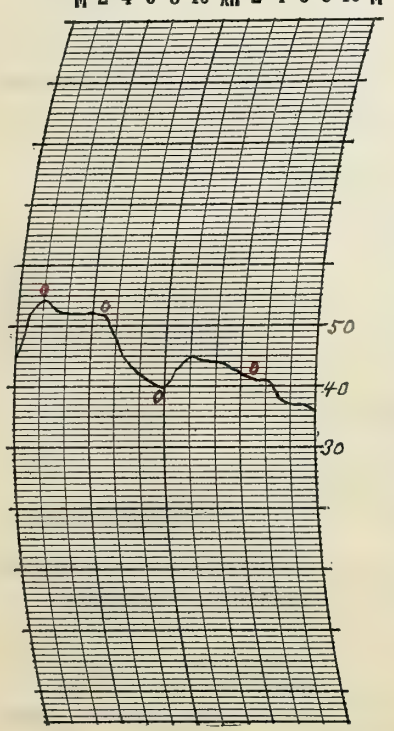
| Maximum Temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 54 | 36 | 45 | |

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, T inches.
Precipitation to 7 a. m., .40 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, .07 inches.
Character of day, Cloudy Moon phase, ----
Average daily cloudiness (0-10), 9
Actual sunshine, hours, 4.0 Possible sunshine, hours, 11.1
Per cent of possible sunshine, 36
Prevailing wind direction, NW Total wind, 457
Average hourly velocity, 19 Extreme velocity, 32
Maximum velocity, 29 Direction, NW
Time began, 1:05 P.M.
Reduced barometer, 29.64 7 a. m. 29.85 7 p. m.
River gage, 4.8 feet
Relative humidity, 82 7 a. m. 55 7 p. m.

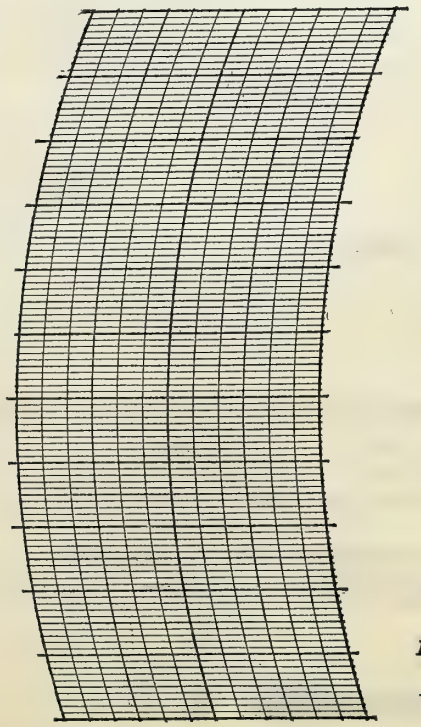
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 40.0 Wet temperature, 36.0
Dew-point, 21 R. humidity, 68 V. pressure, .172
Clouds: Amount, 10; Kind, St Cu; Direction, W
Velocity of clouds (miles per hour) ----

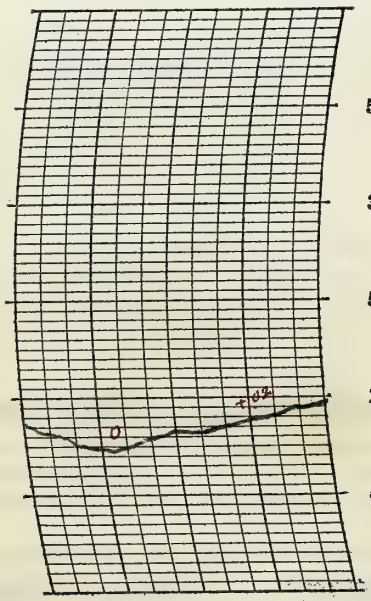
THERMOGRAPH




THERMOGRAPH




BAROGRAPH.




Prepared by R.E.L.

Verified by L.C.S.

8—486

## NOTES

Light haze until nearly noon. Ceilings and visibility ample for flying, but winds were strong and gusty.

Form No. 1014—Met'1

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Sunday, (Date) FEB 26 1923, 193

Time (local standard) 90 mer. normal time.

| | A.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 | P.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Temperature at end of hour | 36 | 35 | 34 | 34 | 32 | 32 | 32 | 33 | 34 | 36 | 38 | 39 | 42 | 42 | 42 | 41 | 40 | 38 | 36 | 35 | 34 | 32 | 31 | 30 |
| State of weather. Nature of precipitation and time of beginning and ending | | | | | | | | | | | | | | | | | | | | | | | | |
| Amounts of precipitation | | | | | | | | | | | | | | | | | | | | | | | | |
| Cloudiness and other conditions | | | | Cloudy | | | × | Part Cloudy | | × | | | Clear | | | | | | | | > | | | |
| Sunshine (in tenths of hours) | | | | | | | .5 0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 0.1 0.9 | .4 7 0 | | | | | | |
| Wind direction | NW | NW | NW | NW | NW | NW | NW | NW | NW | NW | NW | NW | NW | NW | NW | NW | NW | N | N | N | N | N | N | NE |
| Wind movement | 19 | 14 | 14 | 12 | 13 | 14 | 11 | 15 | 14 | 14 | 14 | 14 | 13 | 13 | 14 | 13 | 12 | 9 | 6 | 5 | 5 | 6 | 6 | 6 |
| Maximum velocities (exceeding 24 miles) direction and time | 25 NW 12:14 | | | | | | | | | | | | | | | | | | | | | | | |

Sunrise: Time, 6:20 Character, Cloudy 6:30A

Moonrise:

Sunset: Time, 5:28 Character, Clear

Moonset:

Wind data corrected to true velocity.

| Total duration. From— | To— | Total amount of precipitation. | Excessive rate. Began— | Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | | | | | |

Excessive precipitation, accumulated amounts

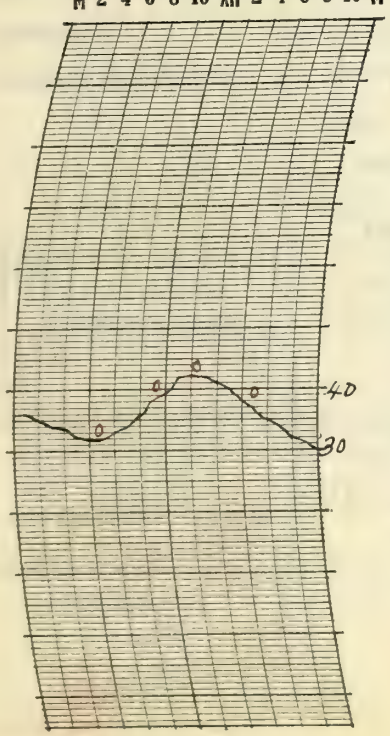
| Maximum Temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 42 | 30 | 36 | |

Total depth of snow for 24 hours ending 7 p. m., T inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., T ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Clear Moon phase,
Average daily cloudiness (0-10), 2
Actual sunshine, hours, 11.0 Possible sunshine, hours, 11.1
Per cent of possible sunshine, 99
Prevailing wind direction, NW Total wind, 276
Average hourly velocity, 11.5 Extreme velocity, 26
Maximum velocity, 25 Direction, NW
Time began, 12:14 a.m.
Reduced barometer, 30.14 7a. m. 30.25 7p. m.
River gage, 6.4 Feet
Relative humidity, 70 7a. m. 55 7p. m.

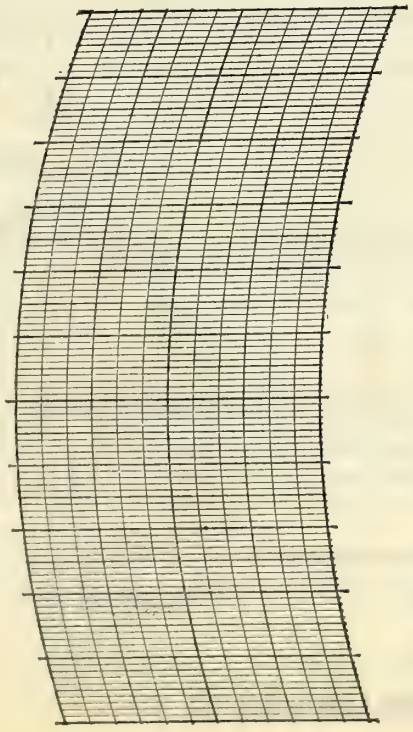
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 39.1 Wet temperature, 32.9
Dew-point, 23 R. humidity, 50 V. pressure, 118
Clouds: Amount, 3; Kind, Cu; Direction, N
Velocity of clouds (miles per hour)

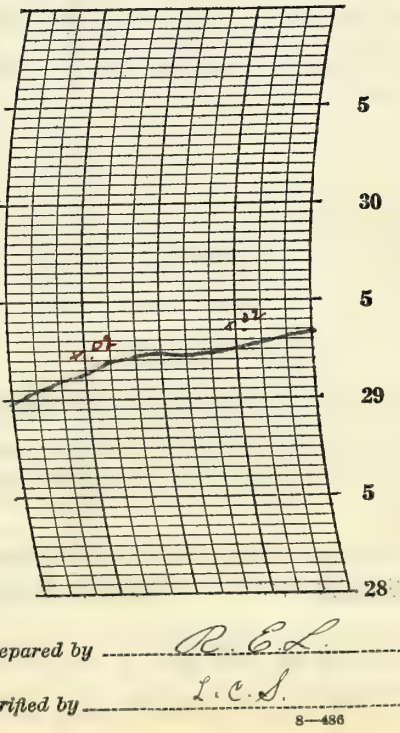
THERMOGRAPH




THERMOGRAPH




BAROGRAPH.




Prepared by R. E. L.

Verified by L. C. S.

8—486

## NOTES

Fair lying conditions excellent, however, the field was reported as soft. Runways clear.

Form No. 1014—Met'1

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Monday, (Date) FEB 27 1933, 193

Time (local standard) 90 mer. normal time.

| | A. M. | | | | | | | | | | | | P. M. | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 | 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 |
| Temperature at end of hour | 30 | 30 | 29 | 28 | 28 | 27 | 26 | 28 | 32 | 34 | 35 | 38 | 38 | 40 | 41 | 40 | 40 | 39 | 38 | 37 | 36 | 35 | 33 | 32 |
| State of weather. Nature of precipitation and time of beginning and ending | | | | | | | | | | | | | | | | | | | | | | | | |
| Amounts of precipitation | | | | | | | | | | | | | | | | | | | | | | | | |
| Cloudiness and other conditions | | | | | | ← Clear | | | | | | | × Partly Cloudy | | | | | → Clear | | | | | | |
| Sunshine (in tenths of hours) | | | | | | | .68 0 | 0.1 0.9 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 0.6 0.4 | 4.8 0 | | | | | | |
| Wind direction | NE | NE | NE | NE | NE | NE | NE | NE | E | E | SE | SE | E | NE | NE | NE | NE | NE | NE | NE | 0 | NE | NE | 0 |
| Wind movement | 6 | 3 | 5 | 3 | 4 | 4 | 5 | 7 | 7 | 6 | 6 | 5 | 6 | 6 | 6 | 5 | 5 | 4 | 4 | 4 | 1 | 2 | 3 | 1 |
| Maximum velocities (exceeding 24 miles) direction and time | | | | | | | | | | | | | | | | | | | | | | | | |

Sunrise: Time, 6:19 Character, clear. Moonrise: ---- ----

Sunset: Time, 5:29 Character, Clear. Moonset: ---- ----

Wind data corrected to true velocity.

| Total duration. From— | Total duration. To— | Total amount of precipitation. | Excessive rate. Began— | Excessive rate. Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | | | | | |

Excessive precipitation, accumulated amounts

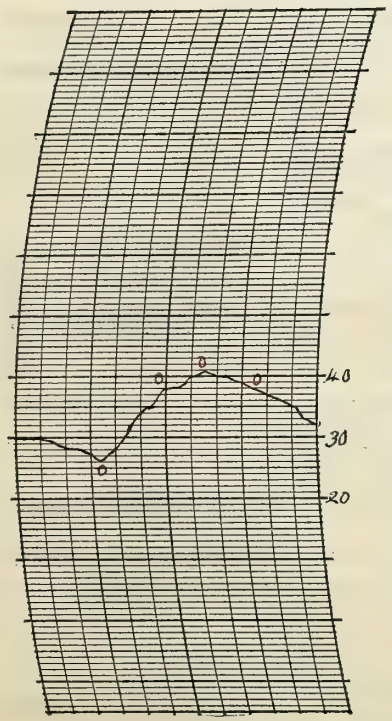
| Maximum Temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 41 | 26 | 34 | |

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Clear Moon phase, ----
Average daily cloudiness (0-10), 3
Actual sunshine, hours, 11.2 Possible sunshine, hours, 11.2
Per cent of possible sunshine, 100
Prevailing wind direction, NE Total wind, 108
Average hourly velocity, 4.5 Extreme velocity, 9
Maximum velocity, 9 Direction, E
Time began, 8:16 a. m.
Reduced barometer, 30.347 a. m. 30.267 p. m.
River gage, 5.6 feet
Relative humidity, 74 7 a. m. 42 7 p. m.

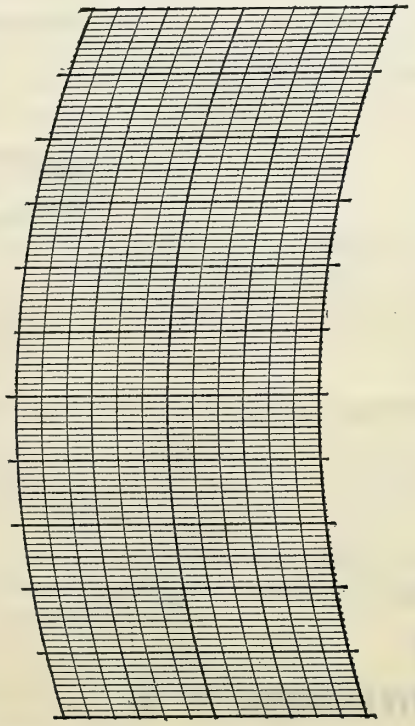
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 38.0 Wet temperature, 30.7
Dew-point, 18 R. humidity, 41 V. pressure, 29.3
Clouds: Amount, 2/2 ci; Kind, a-st; Direction, NW
Velocity of clouds (miles per hour)

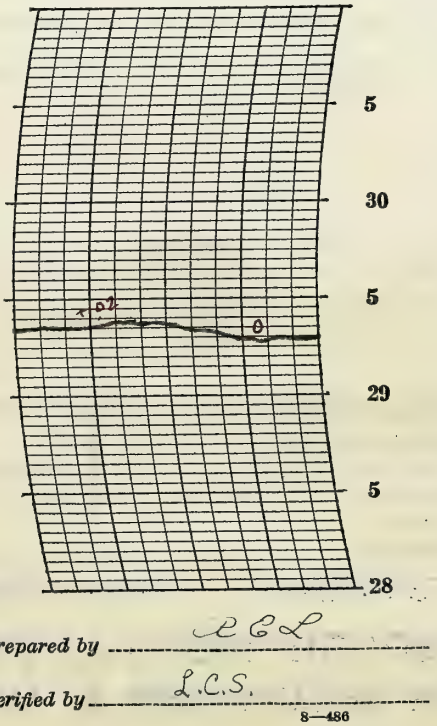
THERMOGRAPH




THERMOGRAPH




BAROGRAPH.




Prepared by R C L

Verified by L.C.S.

8—486

## NOTES

Visibility limited to about 3/4 mi. by smoke in early morning. Flying conditions excellent after 9:00 a.m.

Form No. 1014—Met'1

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Tuesday, (Date) FEB 28 1933, 193

Time (local standard) 90 mer. normal time.

| | A.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 | P.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Temperature at end of hour | 32 | 32 | 32 | 31 | 32 | 32 | 32 | 34 | 35 | 37 | 41 | 43 | 45 | 47 | 49 | 48 | 47 | 45 | 43 | 41 | 39 | 37 | 35 | 37 |
| State of weather. Nature of precipitation and time of beginning and ending | | | | | | | | | | | | | | | | | | | | | | | | |
| Amounts of precipitation | | | | | | | | | | | | | | | | | | | | | | | | |
| Cloudiness and other conditions | | | | Cloudy × | Clear | | Part Cloudy × | | | Clear | | | | | | | | | | × Part Cloudy × Clear | | | | |
| Sunshine (in tenths of hours) | | | | | | | 0 | 0 | 0 | 0.9 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 0.4 0.6 | 5.2 0 | | | | | | |
| Wind direction | NE | NE | NE | NE | NE | NE | 0 | NE | W | W | NW | W | NW | NW | NW | NW | W | NW | NW | NW | NW | NW | W | W |
| Wind movement | 2 | 3 | 2 | 3 | 2 | 2 | 1 | 5 | 5 | 8 | 9 | 12 | 12 | 11 | 12 | 12 | 11 | 9 | 9 | 9 | 9 | 8 | 9 | 12 |

Sunrise: Time, 6:17 Character, Cloudy. Moonrise:

Sunset: Time, 5:31 Character, Clear. Moonset:

Maximum Temperature: 49 | Minimum temperature: 31 | Mean temperature: 40 | Normal temperature:

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Clear Moon phase,
Average daily cloudiness (0-10), 2
Actual sunshine, hours, 8.4 Possible sunshine, hours, 11.2
Per cent of possible sunshine, 75
Prevailing wind direction, NW Total wind, 177
Average hourly velocity, 7.4 Extreme velocity, 15
Maximum velocity, 15 Direction, W
Time began, 2:29 P. M.
Reduced barometer, 30.24 7 a. m. 30.15 7 p. m.
River gage, 4.9 feet
Relative humidity, 73 7 a. m. 56 7 p. m.

Wind data corrected to true velocity.

Maximum velocities (exceeding 24 miles) direction and time

| Total duration. From— | To— | Total amount of precipitation. | Excessive rate. Began— | Ended— | Amount before excessive began. |
|---|---|---|---|---|---|
| | | | | | |

Accumulated depths during excessive rate, for consecutive periods of time indicated below.

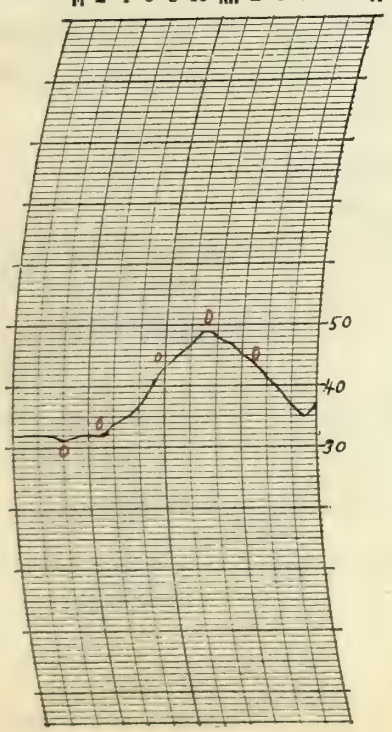
| 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | |

Excessive precipitation, accumulated amounts

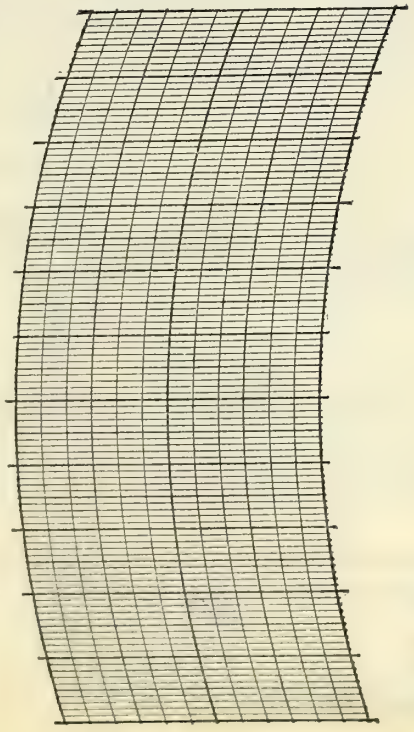
OBSERVATIONS AT 12 NOON. (Local Mean Time.)

Dry temperature, 43.3 Wet temperature, 34.8
Dew-point, 22 R. humidity, 39 V. pressure, 111.3
Clouds: Amount, Fair; Kind, Ci St; Direction, ?
Velocity of clouds (miles per hour)

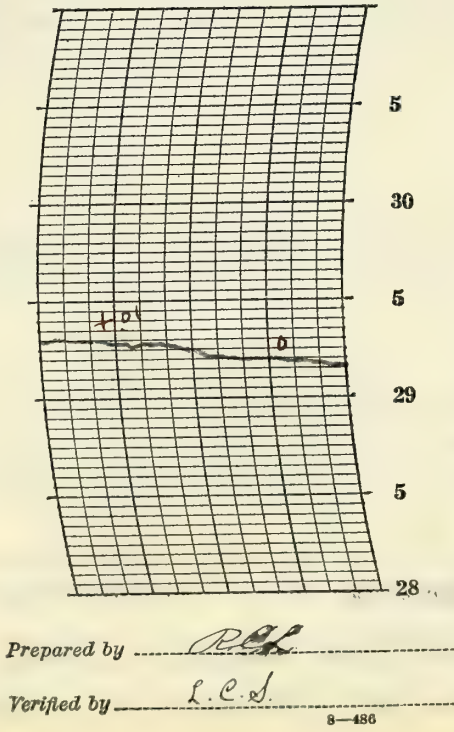
THERMOGRAPH




THERMOGRAPH




BAROGRAPH.




Prepared by R.C.L.

Verified by L.C.S.

8—486

## NOTES

Visibility poor in early morning due to city smoke. Conditions improved rapidly after 7:30 a.m.

Form No. 1014—Met'1

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Wednesday, (Date) MAR 1 1933, 193

Time (local standard) 90 mer. normal time.

| | A.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 | P.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Temperature at end of hour | 36 | 35 | 34 | 33 | 32 | 31 | 31 | 32 | 34 | 34 | 36 | 34 | 32 | 31 | 32 | 34 | 33 | 31 | 30 | 30 | 30 | 30 | 30 | 30 |
| State of weather. Nature of precipitation and time of beginning and ending | | | | | | | | | | | | | S m 12:45 | | S m 2:05 | | | | | | | | | |
| Amounts of precipitation | | | | | | | | | | | | | T | T | T | | | | | | | | | |
| Cloudiness and other conditions | | | | | | | Clear | | | Part cloudy | | | Cloudy | | | | | | | | | | | |
| Sunrise: Time, 6:15 Character, Clear. Moonrise: | | | | | | | | | | | | | | | | | | | | | Sunset: Time, 5:32 Character, Cloudy. Moonset: | | | |
| Sunshine (in tenths of hours) | | | | | | | .75 0 | 0.1 0.9 | 1.0 | 1.0 | 0.9 | 0 | 0 | 0 | 0.5 | 0.4 | 0.2 | 0 | | | | | | |
| Wind direction | NW | NW | NW | NW | NW | NW | NW | NW | NW | NW | NW | NW | NW | NW | NW | NW | NW | NW | NW | NW | NW | NW | NW | NW |
| Wind movement | 13 | 13 | 13 | 14 | 12 | 11 | 11 | 12 | 16 | 18 | 16 | 16 | 18 | 18 | 18 | 15 | 14 | 15 | 12 | 12 | 11 | 12 | 12 | 11 |
| Maximum velocities (exceeding 24 miles) direction and time | | | | | | | | | | | | | | | | | | | | | | | | |

Wind data corrected to true velocity.

| | Total duration. From— | To— | Total amount of precipitation. | Excessive rate. Began— | Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Excessive precipitation, accumulated amounts | | | | | | | | | | | | | | | | | | | | |

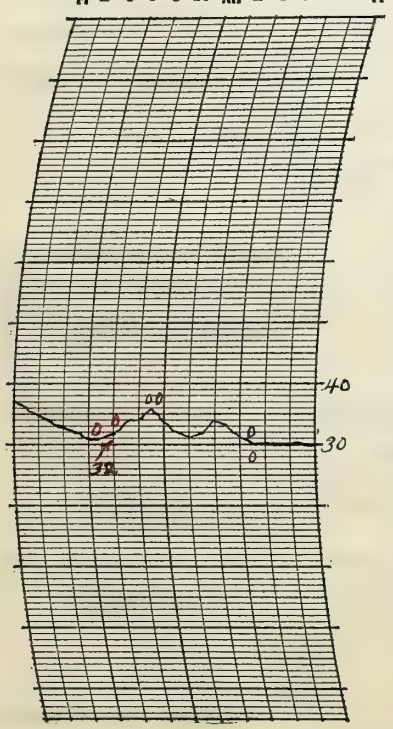
| Maximum Temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 37 | 30 | 34 | |

Total depth of snow for 24 hours ending 7 p. m., T inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, T inches.
Precipitation to 7 a. m., .2 ins.; to 7 p. m., T ins.
Total precipitation, midnight to midnight, T inches.
Character of day, Part Cloudy Moon phase,
Average daily cloudiness (0-10), 7
Actual sunshine, hours, 5.8 Possible sunshine, hours, 11.3
Per cent of possible sunshine, 51
Prevailing wind direction, NW Total wind, 333
Average hourly velocity, 13.5 Extreme velocity, 22
Maximum velocity, 21 Direction, NW
Time began, 12:45 P.M.
Reduced barometer, 28.10 7 a. m. 30.14 7 p. m.
River gage, 4.5 feet
Relative humidity, 71 7 a. m. 62 7 p. m.

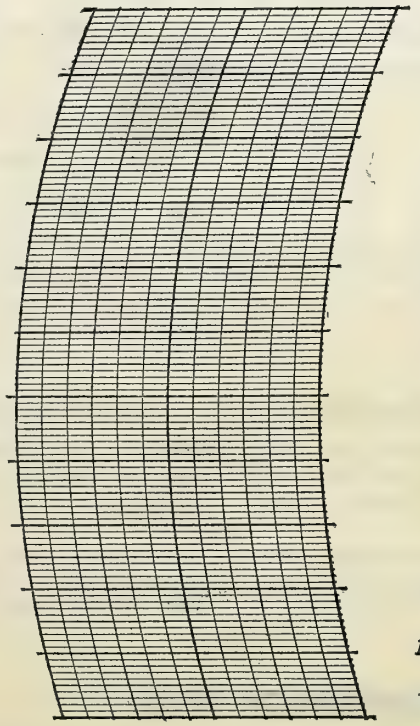
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 34.0 Wet temperature, 28.3
Dew-point, 17 R. humidity, 47 V. pressure, .089
Clouds: Amount, 10; Kind, St Cu; Direction, N W
Velocity of clouds (miles per hour)

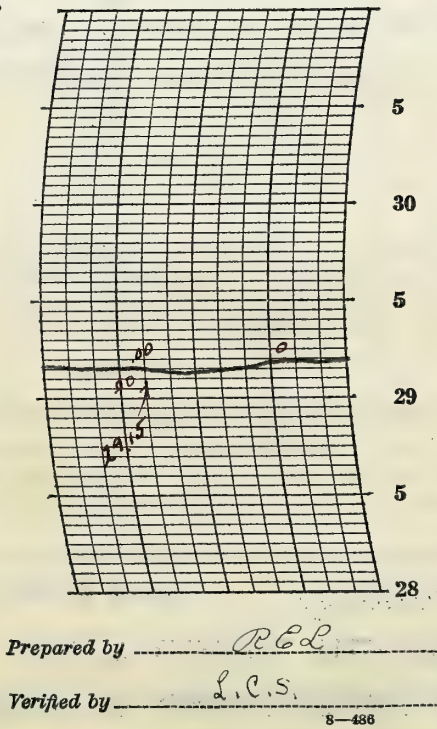
THERMOGRAPH




THERMOGRAPH




BAROGRAPH.




Prepared by R E L

Verified by L. C. S.

8—486

## NOTES

Flying conditions excellent.

Form No. 1014—Met'l

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(Station) Fort Wayne Ind., (Day of week) Thursday, (Date) MAR 2 1933, 193

Time (local standard) 90 mer. normal time.

| | A.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 | P.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Temperature at end of hour | 30 | 29 | 30 | 30 | 30 | 30 | 29 | 29 | 30 | 31 | 32 | 33 | 33 | 34 | 34 | 34 | 34 | 34 | 33 | 33 | 32 | 32 | 32 | 32 |
| State of weather. Nature of precipitation and time of beginning and ending | | | | | | | | | | | | | | | | | | | | | | | | |
| Amounts of precipitation | | | | | | | | | | | | | | | | | | | | | | | | |
| Cloudiness and other conditions | ← Cloudy → | | | | | | | | | | | | | | | | | | | | | | | |
| Sunrise: Time, Character, | 6:14 Cloudy | | | | | | | | | | | | | | | | | | | | Sunset: 5:33 Cloudy | | | |
| Moonrise: | | | | | | | | | | | | | | | | | | | | | Moonset: | | | |
| Sunshine (in tenths of hours) | | | | | | | 0 | 0 | 0 | 0.3 | 1.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | |
| Wind direction | NW | NW | NW | NW | NW | NW | N | NW | NW | NW | NW | N | NW | NW | NW | NW | NW | NW | NW | NW | NW | NW | NW | NW |
| Wind movement | 8 | 8 | 9 | 10 | 11 | 10 | 10 | 10 | 10 | 11 | 10 | 10 | 11 | 10 | 10 | 10 | 10 | 9 | 6 | 8 | 9 | 9 | 9 | 8 |
| Maximum velocities (exceeding 24 miles) direction and time | | | | | | | | | | | | | | | | | | | | | | | | |

Wind data corrected to true velocity.

| Total duration. From— | To— | Total amount of precipitation. | Excessive rate. Began— | Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | | | | | |

Excessive precipitation, accumulated amounts

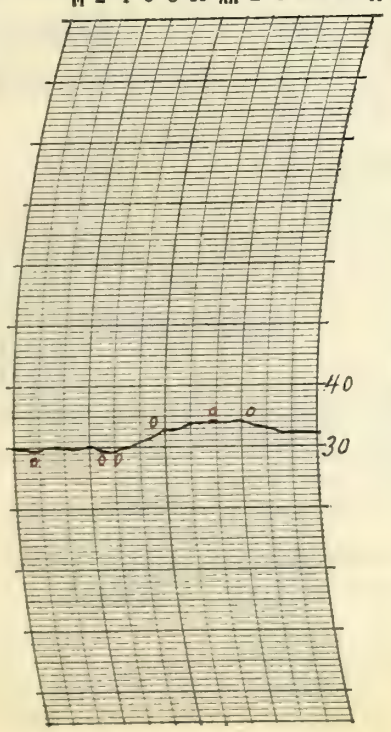
| Maximum Temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 34 | 29 | 32 | |

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Cloudy Moon phase,
Average daily cloudiness (0-10), 10
Actual sunshine, hours, 1.3 Possible sunshine, hours, 11.3
Per cent of possible sunshine, 12
Prevailing wind direction, NW Total wind, 226
Average hourly velocity, 9.4 Extreme velocity, 13
Maximum velocity, 13 Direction, NW
Time began, 12:37 PM.
Reduced barometer, 30.217 a. m. 30.28 7 p. m.
River gage, 3.9 feet
Relative humidity, 68 7 a. m. 76 7 p. m.

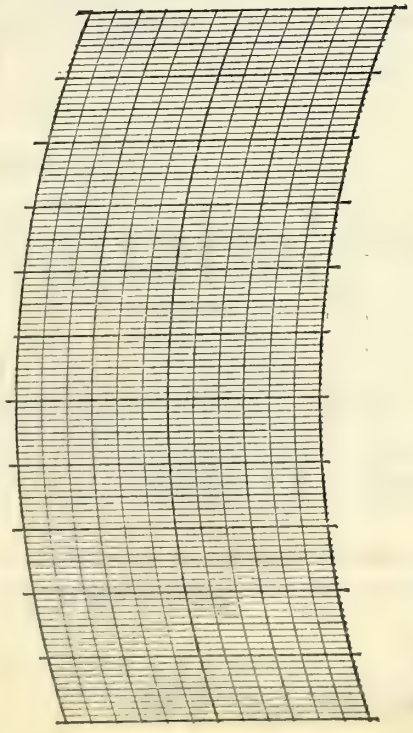
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 33.0 Wet temperature, 29.1
Dew-point, 22 R. humidity, 62 V. pressure, 11.3
Clouds: Amount, 5; Kind, St-Cu; Direction, NW
Velocity of clouds (miles per hour)

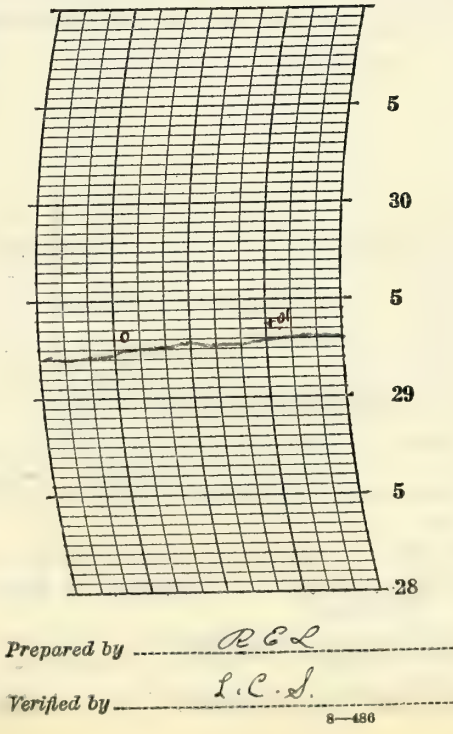
THERMOGRAPH




THERMOGRAPH




BAROGRAPH.




Prepared by R E L

Verified by L. C. S.

8—486

## NOTES

Lighting conditions excellent

Form No. 1014—Met'1

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Friday, (Date) MAR 3 1933, 193

| Time (local standard) 90 mer. normal time. | A.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 | P.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Temperature at end of hour | 32 | 32 | 32 | 31 | 31 | 31 | 31 | 32 | 34 | 34 | 36 | 36 | 37 | 40 | 39 | 38 | 38 | 37 | 37 | 36 | 35 | 34 | 34 | 33 |
| State of weather: Nature of precipitation and time of beginning and ending | | | | | | | R 6 22 E 6 25 | Sm B 7 55 | Sm E 9 00 | | Sm B 10 32 | | Sm E 12 50 | | | | | | Sm B 6 10 E 6 20 | | | | Sm B DNP E DNP | |
| Amounts of precipitation | | | | | | | T | T | T | | T | T | T | | | | | | T | | | | T | T |
| Cloudiness and other conditions | | | | | | | ← | | | | Cloudy | | → | | | | | | | | | | | |
| Sunrise: Time, 6:12 Character, Cloudy | | | | | | | | | | | | | | | | | | | | | Sunset: Time, 5:34 Character, Cloudy | | | |
| Moonrise: | | | | | | | | | | | | | | | | | | | | | Moonset: | | | |
| Sunshine (in tenths of hours) | | | | | | | 0 | 0 | 0 | 0 | 0 | 0 | 0.6 | 1.0 | 0.2 | 0 | 0 | 0 | | | | | | |
| Wind direction | NW | NW | NW | NW | NW | NW | NW | NW | NW | NW | NW | NW | NW | NW | NW | NW | NW | N | N | NW | NW | NW | NW | NW |
| Wind movement | 9 | 8 | 9 | 8 | 9 | 8 | 7 | 9 | 9 | 9 | 10 | 11 | 12 | 11 | 12 | 11 | 9 | 8 | 6 | 8 | 8 | 8 | 7 | 8 |
| Maximum velocities (exceeding 24 miles) direction and time | | | | | | | | | | | | | | | | | | | | | | | | |

Wind data corrected to true velocity.

| | Total duration. From— | To— | Total amount of precipitation. | Excessive rate. Began— | Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Excessive precipitation, accumulated amounts | | | | | | | | | | | | | | | | | | | | |

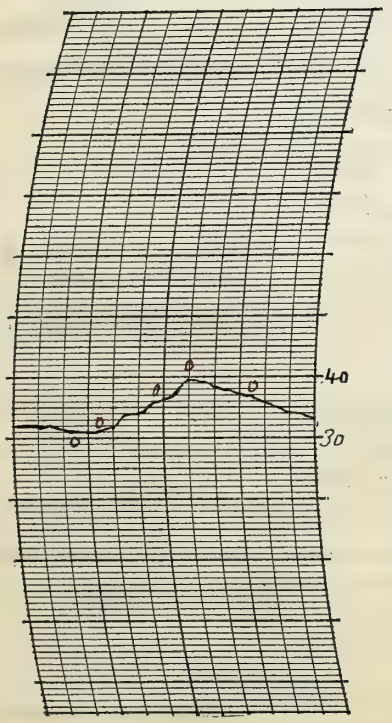
| Maximum Temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 40 | 31 | 36 | |

Total depth of snow for 24 hours ending 7 p. m., T inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, T inches.
Precipitation to 7 a. m., T ins.; to 7 p. m., T ins.
Total precipitation, midnight to midnight, T inches.
Character of day, Cloudy Moon phase,
Average daily cloudiness (0–10), 10
Actual sunshine, hours, 1.8 Possible sunshine, hours, 11.4
Per cent of possible sunshine, 16
Prevailing wind direction, NW Total wind, 214
Average hourly velocity, 8.9 Extreme velocity, 15
Maximum velocity, 14 Direction, NW
Time began, 11:41 a.m.
Reduced barometer, 30.28 7 a. m. 30.24 7 p. m.
River gage, 3.3 feet
Relative humidity, 94 7 a. m. 67 7 p. m.

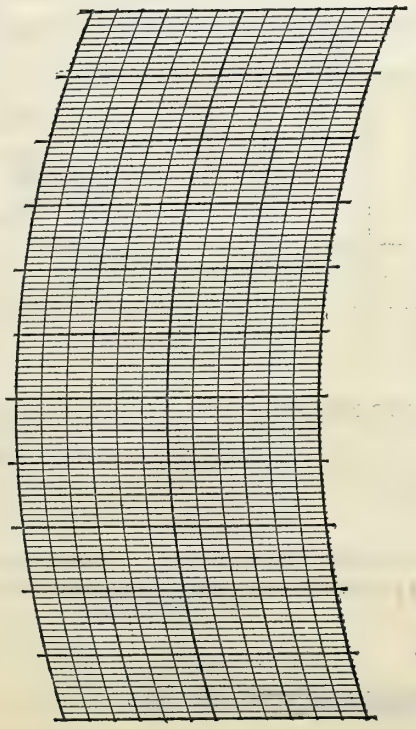
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 36.1 Wet temperature, 33.0
Dew-point, 29 R. humidity, 72 V. pressure, .157
Clouds: Amount, 10; Kind, St Cu; Direction, N W
Velocity of clouds (miles per hour)

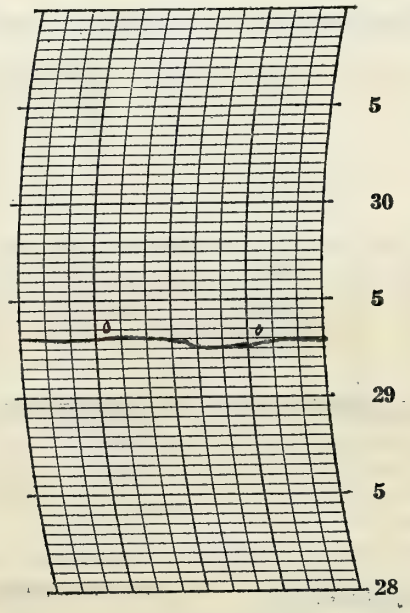
THERMOGRAPH




THERMOGRAPH




BAROGRAPH.




Prepared by R C L

Verified by L. C. S.

8—486

## NOTES

Flying conditions excellent.
Ceilings estimated about 3,000 ft.

Form No. 1014—Met'l

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Saturday, (Date) MAR 4 1933, 193

Time (local standard) 90 mer. normal time.

| | A.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 | P.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Temperature at end of hour | 33 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 33 | 34 | 35 | 35 | 36 | 35 | 35 | 34 | 34 | 34 | 32 | 31 | 30 | 29 | 28 |
| State of weather. Nature of precipitation and time of beginning and ending | | | | | | | | | | | | | | | | | | | | | | | | |
| Amounts of precipitation | | | | | | | | | | | | | | | | | | | | | | | | |
| Cloudiness and other conditions | | | | | ← Cloudy | | | | | | | | | | | | | | | | → | | | |
| Sunrise: Time, Character, 6:10 Cloudy. Moonrise: | | | | | | | | | | | | | | | | | | | | | Sunset: Time, Character, 5:35 Cloudy. Moonset: | | | |
| Sunshine (in tenths of hours) | | | | | | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.1 | 0 | 0 | 0 | | | | | | |
| Wind direction | V | N | NW | N | N | N | N | N | N | N | N | N | N | N | N | NW | N | N | N | N | N | N | NE | NE |
| Wind movement | 9 | 8 | 9 | 9 | 9 | 7 | 7 | 7 | 9 | 9 | 9 | 8 | 9 | 9 | 8 | 8 | 8 | 7 | 6 | 7 | 6 | 6 | 5 | 5 |
| Maximum velocities (exceeding 24 miles) direction and time | | | | | | | | | | | | | | | | | | | | | | | | |

Wind data corrected to true velocity.

| Total duration. From— | To— | Total amount of precipitation. | Excessive rate. Began— | Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | | | | | |

Excessive precipitation, accumulated amounts

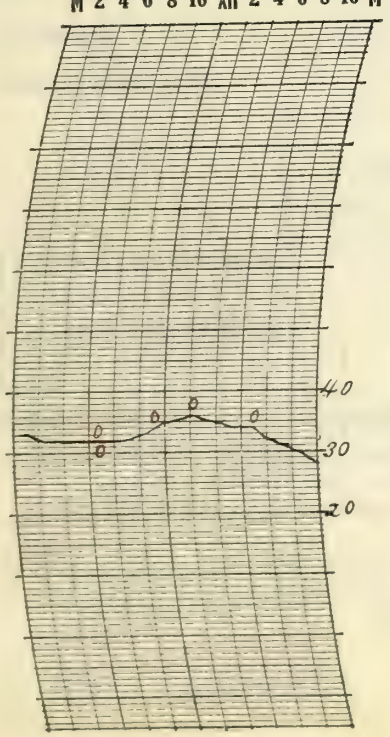
| Maximum Temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 36 | 28 | 32 | |

Total depth of snow for 24 hours ending 7 p. m., T inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., T ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Cloudy Moon phase,
Average daily cloudiness (0–10), 10
Actual sunshine, hours, 0.1 Possible sunshine, hours, 11.4
Per cent of possible sunshine, 1
Prevailing wind direction, N Total wind, 184
Average hourly velocity, 7.7 Extreme velocity, 12
Maximum velocity, 12 Direction, N
Time began, 3:06 PM.
Reduced barometer, 30.35 7 a. m. 30.44 7 p. m.
River gage, 2.9 feet
Relative humidity, 65 7 a. m. 56 7 p. m.

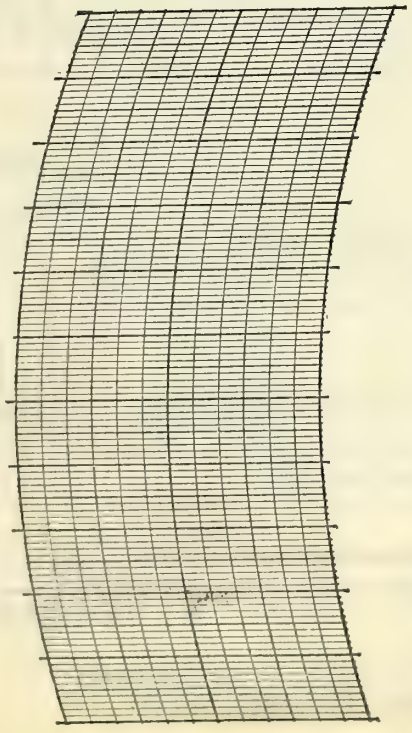
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 35.0 Wet temperature, 29.5
Dew-point, 20 R. humidity, 50 V. pressure, 1.03
Clouds: Amount, 10; Kind, St Cu; Direction, NE
Velocity of clouds (miles per hour)

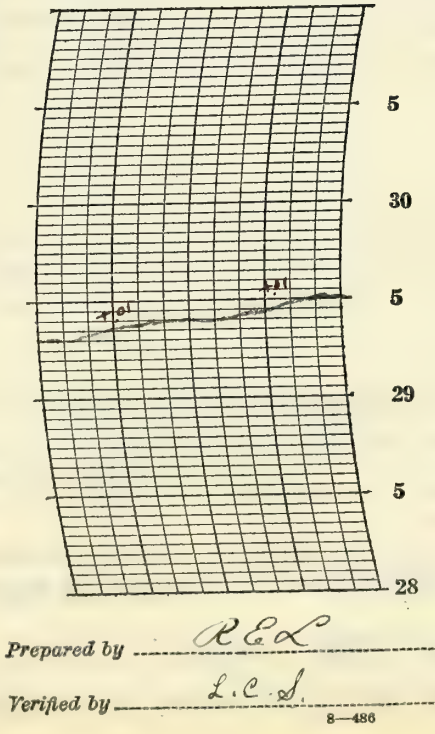
THERMOGRAPH




THERMOGRAPH




BAROGRAPH.




Prepared by R E L

Verified by L. C. S.

8—486

## NOTES

Lighting conditions excellent.

Form No. 1014—Met'1

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) ~~Sunday~~, (Date) MAR 5 1933, 193

Time (local standard) 90 mer. normal time.

| | A.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 | P.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Temperature at end of hour (28) | 28 | 28 | 28 | 28 | 28 | 28 | 29 | 30 | 31 | 32 | 34 | 34 | 36 | 38 | 39 | 38 | 38 | 36 | 35 | 32 | 32 | 30 | 30 | 29 |
| State of weather: Nature of precipitation and time of beginning and ending | | | | | | | | | | | | | | | | | | | | | | | | |
| Amounts of precipitation | | | | | | | | | | | | | | | | | | | | | | | | |
| Cloudiness and other conditions | | | | | | Cloudy | | | | Part Cloudy | | | | | Clear | | | | | | | | | |
| Sunrise: Time, Character, 6:09 Cloudy. Moonrise: | | | | | | | | | | | | | | | | | | | | | Sunset: Time, Character, 5:36 Cloudy. Moonset: | | | |
| Sunshine (in tenths of hours) | | | | | | | 0 | 0 | 0 | 0.5 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 0.1 | 0 | | | | | | |
| Wind direction | E | NE | E | E | E | E | E | E | E | NE | E | SE | SE | SE | SE | SE | SE | SE | SE | E | SE | E | E | E |
| Wind movement | 5 | 5 | 5 | 3 | 3 | 3 | 2 | 4 | 6 | 6 | 7 | 7 | 8 | 7 | 6 | 8 | 7 | 9 | 7 | 9 | 8 | 9 | 8 | 9 |
| Maximum velocities (exceeding 24 miles) direction and time | | | | | | | | | | | | | | | | | | | | | | | | |

Wind data corrected to true velocity.

| Total duration. From— | To— | Total amount of precipitation. | Excessive rate. Began— | Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | | | | | |

Excessive precipitation, accumulated amounts

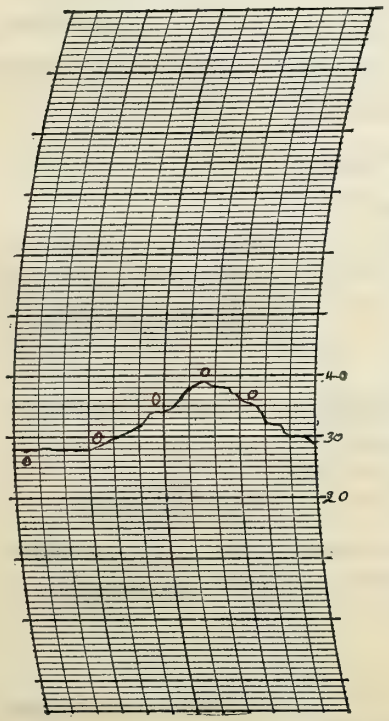
| Maximum Temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 39 | 28 | 34 | |

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Part Cloudy Moon phase,
Average daily cloudiness (0-10), 4
Actual sunshine, hours, 6.6 Possible sunshine, hours, 11.4
Per cent of possible sunshine, 58
Prevailing wind direction, E Total wind, 151
Average hourly velocity, 6.3 Extreme velocity, 12
Maximum velocity, 12 Direction, SE
Time began, 11:26 a. m.
Reduced barometer, 30.57 7 a. m. 30.43 7 p. m.
River gage, 2.6 feet
Relative humidity, 78 7 a. m. 62 7 p. m.

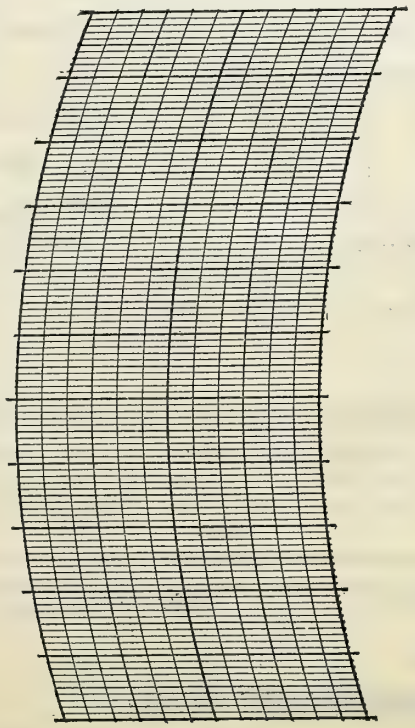
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 34.3 Wet temperature, 29.0
Dew-point, 19 R. humidity, 51 V. pressure, .098
Clouds: Amount, 3; Kind, Alto; Direction, W
Velocity of clouds (miles per hour)

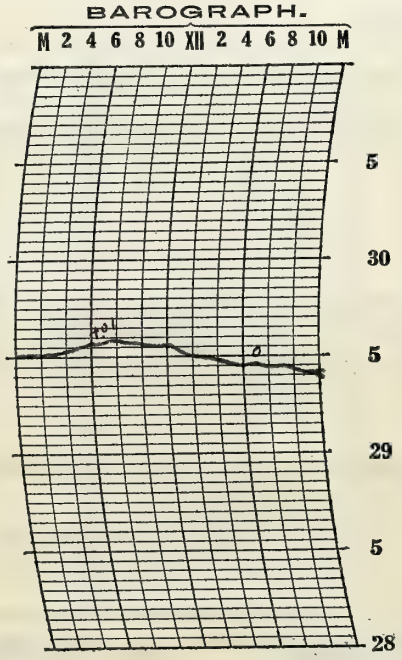
THERMOGRAPH




THERMOGRAPH




BAROGRAPH.




Prepared by R.C.L.

Verified by L.C.S.

8—486

## NOTES

Due to a calm, the smoke of the city cut down the visibility in the early forenoon. Flying conditions became excellent after nine o'clock.

Form No. 1014—Met'1

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Monday, (Date) MAR 6 1933, 193

| Maximum Temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 42 | 26 | 34 | |

Time (local standard) 90 mer. normal time.

| | A. M. | | | | | | | | | | | | P. M. | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 | 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 |
| Temperature at end of hour 29 | 28 | 28 | 27 | 26 | 26 | 26 | 26 | 28 | 31 | 32 | 36 | 38 | 39 | 41 | 42 | 42 | 42 | 42 | 42 | 42 | 41 | 40 | 39 | 38 |
| State of weather. Nature of precipitation and time of beginning and ending | | | | | | | | | | | | | | | | | | | | | | | | |
| Amounts of precipitation | | | | | | | | | | | | | | | | | | | | | | | | |
| Cloudiness and other conditions | | | | | | ← | | | | Cloudy | | | | | | | | | | | | → | | |
| Sunrise: Time, Character, 6:07 Cloudy Moonrise: | | | | | | | | | | | | | | | | | | | | | Sunset: Time, Character, 5:37 Cloudy Moonset: | | | |
| Sunshine (in tenths of hours) | | | | | | | 0 | 0 | 0 | 0 | 0 | 1.0 | 0.2 | 0.2 | 0 | 0 | 0 | 0 | | | | | | |
| Wind direction | E | E | E | E | E | E | E | E | SE | SE | E | SE | SE | SE | SE | SE | E | E | E | E | E | E | E | NE |
| Wind movement | 7 | 8 | 5 | 5 | 8 | 10 | 9 | 9 | 8 | 7 | 8 | 5 | 5 | 5 | 5 | 5 | 4 | 4 | 6 | 5 | 6 | 5 | 5 | 6 |
| Maximum velocities (exceeding 24 miles) direction and time | | | | | | | | | | | | | | | | | | | | | | | | |

Wind data corrected to true velocity.

| Total duration. From— | To— | Total amount of precipitation. | Excessive rate. Began— | Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | | | | | |

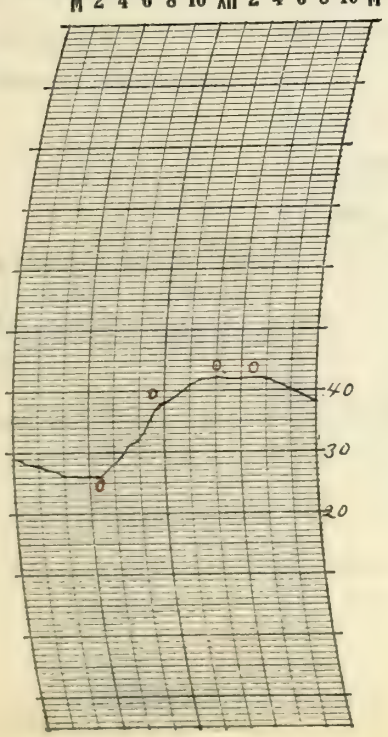
Excessive precipitation, accumulated amounts

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Cloudy Moon phase,
Average daily cloudiness (0-10), 10
Actual sunshine, hours, 1.4 Possible sunshine, hours, 11.5
Per cent of possible sunshine, 12
Prevailing wind direction, E Total wind, 150
Average hourly velocity, 6.2 Extreme velocity, 12
Maximum velocity, 12 Direction, E
Time began, 5:30 a.m.
Reduced barometer, 30.237 a. m. 29.99 7 p. m.
River gage, 2.4 feet
Relative humidity, 91 7 a. m. 61 7 p. m.

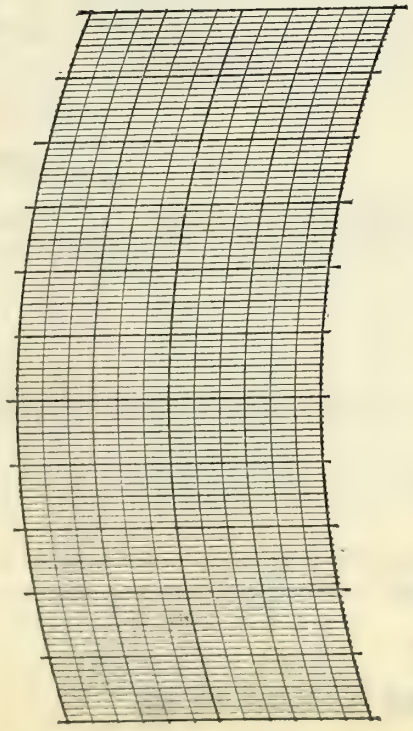
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 38.0 Wet temperature, 32.9
Dew-point, 26 R. humidity, 58 V. pressure, 136
Clouds: Amount, 2; Kind, St.; Direction, SE
Velocity of clouds (miles per hour)

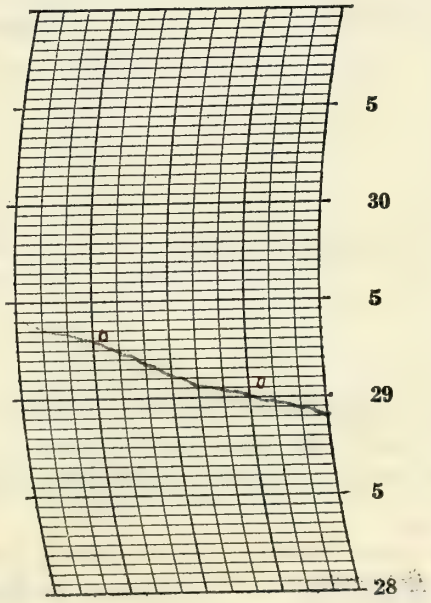
THERMOGRAPH




THERMOGRAPH




BAROGRAPH.




Prepared by R. E. L.

Verified by L. C. S.

8—486

## NOTES

Visibility restricted some by light haze all day. However, flying conditions were very good.

Form No. 1014—Met'l

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Tuesday, (Date) MAR 7 1933, 193

Time (local standard) 90 mer. normal time.

| | A.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 | P.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Temperature at end of hour | 38 | 37 | 37 | 36 | 36 | 36 | 36 | 37 | 38 | 39 | 43 | 45 | 46 | 45 (44) | 45 | 46 | 45 | 41 | 40 | 40 | 40 | 38 | 37 | 36 |
| State of weather: Nature of precipitation and time of beginning and ending | RoDNA | | REDNA | | | | | | | | | | | | | | | | | | | | | |
| Amounts of precipitation | | | T | | | | | | | | | | | | | | | | | | | | | |
| Cloudiness and other conditions | | | | | | | Cloudy | | | | | | | | | | | | | | | | | |
| | | | | | | | Light Smoke | | | | | | | | | | | | | | | | | |
| Sunrise: Time, Character, 6:06 Cloudy. Moonrise: | | | | | | | | | | | | | | | | | | | | | Sunset: Time, Character, 5:39 Cloudy. Moonset: | | | |
| Sunshine (in tenths of hours) | | | | | | | 0 | 0 | 0 | 0.2 | 0.5 | 1.0 | 0.8 | 0 | 0 | 0 | 0 | 0 | | | | | | |
| Wind direction | NE | NE | NE | E | NE | NE | NE | NE | NE | NE | NE | NE | NE | NE | N | N | N | N | N | N | N | N | N | NW |
| Wind movement | 7 | 8 | 9 | 9 | 9 | 7 | 9 | 11 | 11 | 13 | 12 | 13 | 14 | 11 | 10 | 9 | 8 | 10 | 11 | 9 | 11 | 12 | 11 | 10 |
| Maximum velocities (exceeding 24 miles) direction and time | | | | | | | | | | | | | | | | | | | | | | | | |

Wind data corrected to true velocity.

| | Total duration. From— | To— | Total amount of precipitation. | Excessive rate. Began— | Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Excessive precipitation, accumulated amounts | | | | | | | | | | | | | | | | | | | | |

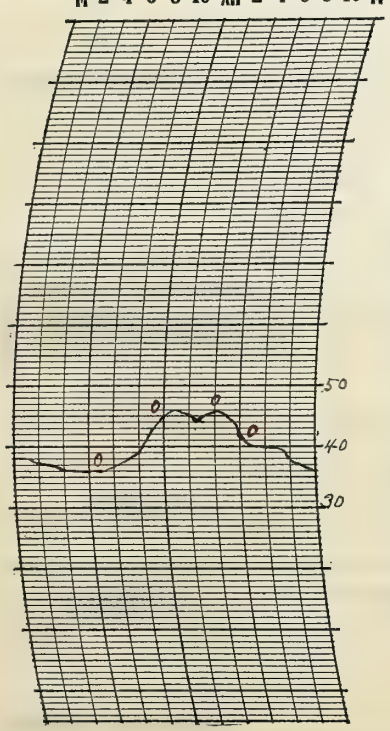
| Maximum Temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 46 | 36 | 41 | |

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., T ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, T inches.
Character of day, Cloudy. Moon phase,
Average daily cloudiness (0-10), 10
Actual sunshine, hours, 2.5 Possible sunshine, hours, 11.6
Per cent of possible sunshine, 22
Prevailing wind direction, NE Total wind, 244
Average hourly velocity, 10.2 Extreme velocity, 18
Maximum velocity, 18 Direction, NE
Time began, 12:04 PM.
Reduced barometer, 29.66 7 a. m. 29.46 7 p. m.
River gage, 22 feet
Relative humidity, 76 7 a. m. 66 7 p. m.

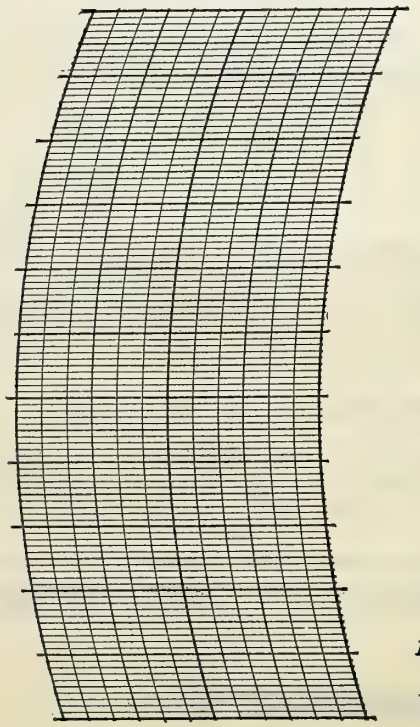
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 44.8 Wet temperature, 38.0
Dew-point, 29 R. humidity, 53 V. pressure, 1.57
Clouds: Amount, 5/5; Kind, Cu/Sc; Direction, 5/5
Velocity of clouds (miles per hour)

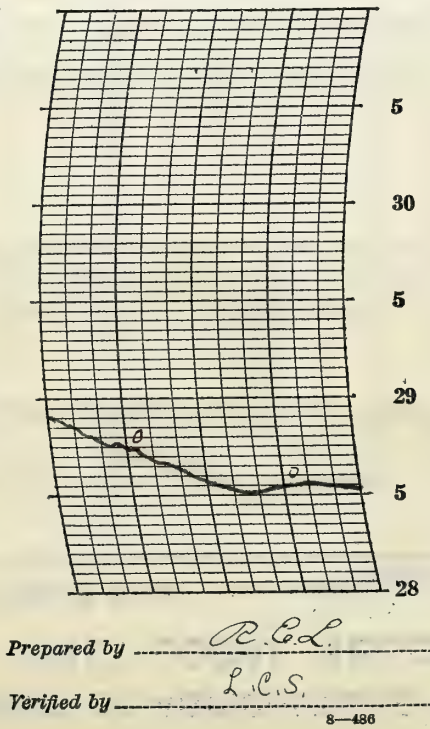
THERMOGRAPH




THERMOGRAPH




BAROGRAPH.




Prepared by R.C.L.

Verified by L.C.S.

8—486

## NOTES

Visibility ranged from one to four miles and ceilings were high to unlimited.

Form No. 1014—Met'1

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(Station) Fort Wayne Ind, (Day of week) Wednesday, (Date) MAR 8 1933, 193

| Time (local standard) 90 mer. normal time. | A.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 | P.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Temperature at end of hour | 36 | 35 | 34 | 34 | 34 | 34 | 34 | 35 | 38 | 42 | 46 | 48 | 48 | 45 | 45 | 42 | 40 | 38 | 38 | 36 | 34 | 33 | 32 | 30 |
| State of weather. Nature of precipitation and time of beginning and ending | | | | | | | | | | | | | $R_B$ 12:15 $R_E$ 12:35 | $R_B$ 1:05 $R_E$ 1:38 | | | | $S^M_E$ 5:10 $S^M_E$ 5:20 | | | | | | |
| Amounts of precipitation | | | | | | | | | | | | | T | T | | | | T | | | | | | |
| Cloudiness and other conditions | | | | | Cloudy × Clear × | | | | | | | | Cloudy | | | | | | | | | | | |
| Sunshine (in tenths of hours) | | | | | | | 0 | 0 | 0.4 | 1.0 | 1.0 | 0.6 | 0 | 0.2 | 0.3 | 0.1 | 0 | 0 | | | | | | |
| Wind direction | NW | NW | NW | NW | NW | W | W | W | W | W | SW | SW | W | W | W | W | W | W | W | W | NW | W | W | W |
| Wind movement | 10 | 9 | 9 | 9 | 9 | 9 | 11 | 13 | 12 | 14 | 15 | 18 | 18 | 22 | 24 | 24 | 27 | 24 | 24 | 25 | 26 | 25 | 25 | 21 |
| Maximum velocities (exceeding 24 miles) direction and time | | | | | | | | | | | | | | 26 W 1:20 | 29 W 2:00 | 30 NW 3:31 | 31 W 4:01 | 31 W 5:28 | 30 W 6:51 | 30 W 7:18 | 35 W 8:21 | 29 W 9:48 | 30 W 10:17 | 25 W 11:01 |

Sunrise: Time, 6:04 Character, Cloudy. Moonrise:

Sunset: Time, 5:40 Character, Cloudy. Moonset:

Wind data corrected to true velocity.

| Excessive precipitation, accumulated amounts | Total duration. From— | To— | Total amount of precipitation. | Excessive rate. Began— | Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | | | | | | |

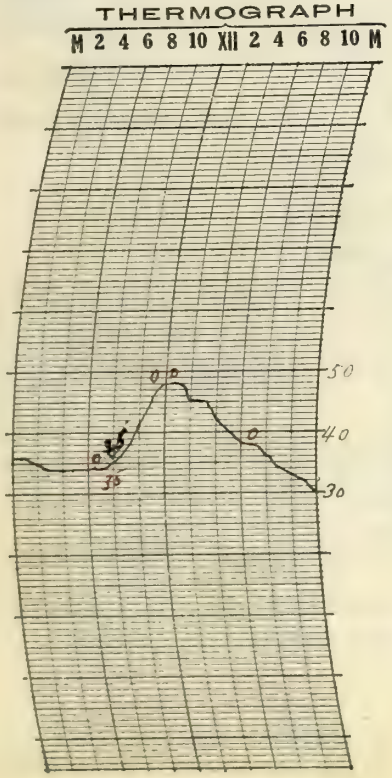
| Maximum Temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 48 | 30 | 39 | |

Total depth of snow for 24 hours ending 7 p. m., T inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, T inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., T ins.
Total precipitation, midnight to midnight, T inches.
Character of day, Cloudy Moon phase,
Average daily cloudiness (0–10), 8
Actual sunshine, hours, 3.6 Possible sunshine, hours, 11.6
Per cent of possible sunshine, 31
Prevailing wind direction, W Total wind, 423
Average hourly velocity, 17.6 Extreme velocity, 51
Maximum velocity, 35 Direction, N W
Time began, 8:21 P.M.
Reduced barometer, 29.54 7 a. m. 29.55 7 p. m.
River gage, 2.1 feet
Relative humidity, 79 7 a. m. 52 7 p. m.

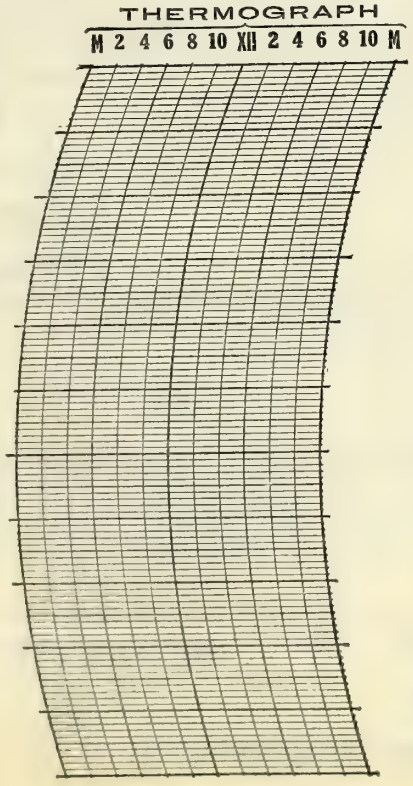
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 47.6 Wet temperature, 41.0
Dew-point, 33 R. humidity, 56 V. pressure, .187
Clouds: Amount, 7; Kind, Strat; Direction, S W
Velocity of clouds (miles per hour)

THERMOGRAPH




THERMOGRAPH




BAROGRAPH.

Prepared by R.E.L.

Verified by L.C.S.

8—486

## NOTES

A blustery day with winds to gusty for flying.

Form No. 1014—Met'l

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Thursday, (Date) MAR 9 1933, 193

Time (local standard) 90 mer. normal time.

| | A.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 | P.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Temperature at end of hour (30°) | 29 | 28 | 27 | 26 | 25 | 24 | 23 | 23 | 23 | 24 | 24 | 25 | 25 | 25 | 26 | 25 | 24 | 22 | 21 | 20 | 19 | 16 | 15 | 14 |
| State of weather. Nature of precipitation and time of beginning and ending | | | | | | | | | | | | | | | | | | | | | | | | |
| Amounts of precipitation | | | | | | | | | | | | | | | | | | | | | | | | |
| Cloudiness and other conditions | | | | | Clear | | | Part Cloudy | | | | | Partly Cloudy | | | | Clear | | | | | | | |
| Sunshine (in tenths of hours) | | | | | | | 0 | 0 | 0.8 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 0.5 0.4 | .68 0 | | | | | | |
| Wind direction | W | W | W | W | W | W | W | W | NW | W | NW | NW | NW | NW | NW | NW | NW | NW | NW | NW | NW | NW | NW | NW |
| Wind movement | 20 | 18 | 20 | 17 | 17 | 17 | 18 | 19 | 20 | 19 | 19 | 18 | 20 | 18 | 19 | 17 | 14 | 13 | 14 | 15 | 17 | 15 | 17 | 15 |
| Maximum velocities (exceeding 24 miles) direction and time | | | | | | | | | | | | | 26 NW 12:15 | | | | | | | | | | | |

Sunrise: Time, 6:02 Character, Cloudy
Moonrise: ____ ____
Sunset: Time, 5:41 Character, Clear
Moonset: ____ ____

Wind data corrected to true velocity.

| Excessive precipitation, accumulated amounts | Total duration. From— | To— | Total amount of precipitation. | Excessive rate. Began— | Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | | | | | | |

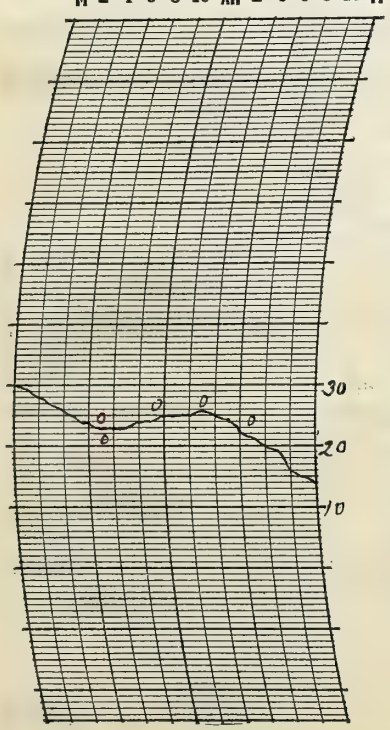
| Maximum Temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 30 | 14 | 22 | |

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Part Cloudy Moon phase, ____
Average daily cloudiness (0-10), 5
Actual sunshine, hours, 9.4 Possible sunshine, hours, 11.6
Per cent of possible sunshine, 81
Prevailing wind direction, NW Total wind, 416
Average hourly velocity, 17.3 Extreme velocity, 28
Maximum velocity, 26 Direction, NW
Time began, 12:15
Reduced barometer, 29.93 7 a. m. 30.07 7 p. m.
River gage, 1.9 feet
Relative humidity, 49 7 a. m. 55 7 p. m.

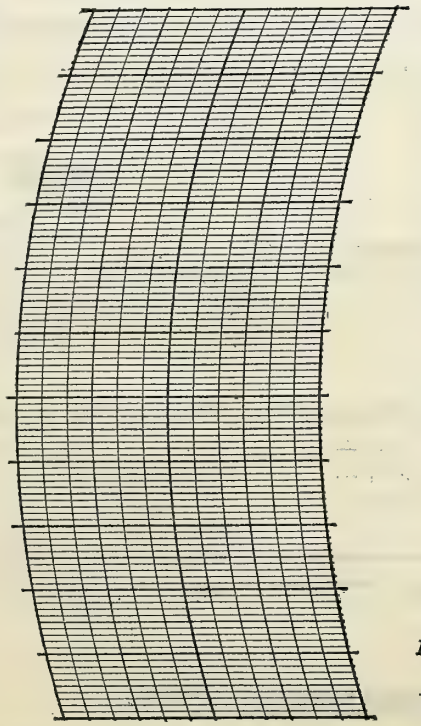
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 24.6 Wet temperature, 21.1
Dew-point, 12 R. humidity, 56 a cu V. pressure, .070 m m
Clouds: Amount, 6; Kind, Ci St.; Direction, W
Velocity of clouds (miles per hour) ____

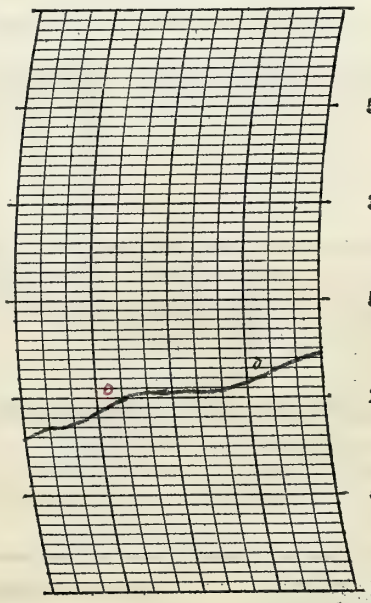
THERMOGRAPH




THERMOGRAPH




BAROGRAPH.




Prepared by R E L
Verified by L.C.S.

8—486

## NOTES

Flying conditions excellent

Solar halo 1:40 PM to 2:00 PM.

Form No. 1014—Met'1

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Friday, (Date) MAR 10 1933, 193

Time (local standard) 90 mer. normal time.

| | A.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 | P.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Temperature at end of hour | 12 | 12 | 11 | 11 | 10 | 10 | 10 | 11 | 12 | 14 | 14 | 16 | 16 | 16 | 18 | 18 | 18 | 16 | 16 | 14 | 14 | 14 | 14 | 14 |
| State of weather. Nature of precipitation and time of beginning and ending | | SD B.ONA | | | | | SD E 6.30 | SD B 7.33 | SD E 9.30A | | SD B 10:30 E 10:45 | SD B 11:55 | | SD E 1:15 | | | | | | | | | | |
| Amounts of precipitation | | F | Flurries T | T | T | T | .01 | Flurries T | | | Light T | T | Flurries T | T | | | | | | | | | | |
| Cloudiness and other conditions | | | | | | Clear | × | Cloudy | Part Cldy | Cldy | Cldy | Cldy | Cloudy | × | Clear | → | | | | | | | | |
| Sunshine (in tenths of hours) | | | | | | | .98 0 | 0.1 0.2 | 0.2 | 0.5 | 0.9 | 0.8 | 0.7 | 0.9 | 1.0 | 1.0 | 1.0 | 0.60 0.1 | | | | | | |
| Wind direction | NW | NW | NW | NW | NW | NW | NW | NW | NW | W | W | W | NW | NW | NW | NW | NW | NW | NW | NW | N | N | N | N |
| Wind movement | 15 | 15 | 14 | 12 | 12 | 10 | 10 | 11 | 13 | 13 | 15 | 13 | 15 | 14 | 14 | 13 | 12 | 9 | 8 | 7 | 6 | 5 | 3 | 3 |
| Maximum velocities (exceeding 24 miles) direction and time | | | | | | | | | | | | | | | | | | | | | | | | |

Sunrise: Time, 6:01 Character, Clear. Moonrise: ____

Sunset: Time, 5:42 Character, Clear. Moonset: ____

Wind data corrected to true velocity.

| Total duration. From— | To— | Total amount of precipitation. | Excessive rate. Began— | Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | | | | | |

Excessive precipitation, accumulated amounts

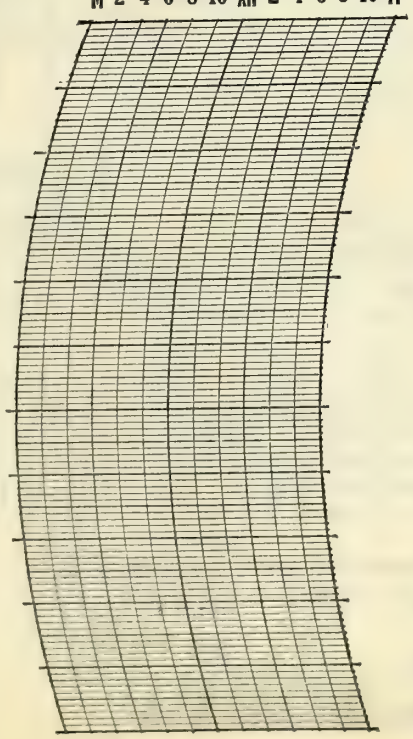
| Maximum Temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 18 | 10 | 14 | |

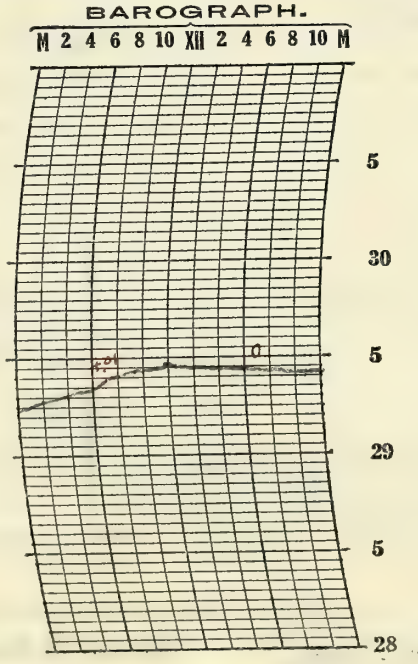
Total depth of snow for 24 hours ending 7 p. m., 0.1 inches.
Snow, sleet, and hail on ground 7 p. m., 0.1 inches.
Total snowfall, midnight to midnight, 0.1 inches.
Precipitation to 7 a. m., .01 ins.; to 7 p. m., T ins.
Total precipitation, midnight to midnight, .01 inches.
Character of day Part Cloudy Moon phase, ____
Average daily cloudiness (0-10), 5
Actual sunshine, hours, 9.0 Possible sunshine, hours, 11.7
Per cent of possible sunshine, 77
Prevailing wind direction, NW Total wind, 262
Average hourly velocity, 10.9 Extreme velocity, 19
Maximum velocity, 18 Direction, NW
Time began, 12:14 P.M.
Reduced barometer, 30.38 7 a. m., 30.42 7 p. m.
River gage, 1.7 feet
Relative humidity, 82 7 a. m., 59 7 p. m.

OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 15.5 Wet temperature, 12.5
Dew-point, 1 R. humidity, 48 V. pressure, .040
Clouds: Amount, 5; Kind, a Cu, St Cu; Direction, W NW
Velocity of clouds (miles per hour)

THERMOGRAPH
M 2 4 6 8 10 XII 2 4 6 8 10 M
20
10




Prepared by R E L

Verified by L. C. S.

8—486

## NOTES

Intermittent light snow flurries
Ceilings and visibility excellent
Faint Lunar halo observed at
9:45 P.M.

Form No. 1014—Met'l

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Saturday, (Date) MAR 11 1933, 193

Time (local standard) 90 mer. normal time.

| | A.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 | P.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Temperature at end of hour | 14 | 14 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 23 | 25 | 27 | 29 | 31 | 32 | 31 | 30 | 30 | 30 | 30 | 30 | 29 | 29 | 28 |
| State of weather. Nature of precipitation and time of beginning and ending | | SO B | DNA | E | DNA | SO B 5:45 | | SO E 7:10 | | SO B 9:00 E 9:10 | | SO B 11:20 | SO E 1:00 | | SO B 2:30P | | SO E 3:00 | | | | | | | |
| Amounts of precipitation | | Very | | light | | T | T | snow | | flurries | T | | | | T | T | T | | | | | | | |
| Cloudiness and other conditions | | | | | | | | Cloudy | | | | | | | | | | | | | | | | |
| Sunshine (in tenths of hours) | | | | | | 0 | 0 | 0 | 0 | 0.5 | 1.0 | 1.0 | 1.0 | 0.9 | 0 | 0 | 0 | 0 | | | | | | |
| Wind direction | N | N | SE | S | S | S | T | S | S | SW | SW | SW | SW | W | W | W | W | W | W | W | W | W | W | W |
| Wind movement | 5 | 5 | 7 | 8 | 8 | 9 | 9 | 11 | 12 | 12 | 15 | 14 | 14 | 13 | 12 | 14 | 12 | 10 | 7 | 6 | 4 | 3 | 5 | 4 |
| Maximum velocities (exceeding 24 miles) direction and time | | | | | | | | | | | | | | | | | | | | | | | | |

Sunrise: Time, 5:59 Character, Cloudy. Moonrise: ---- ----

Sunset: Time, 5:43 Character, Cloudy. Moonset: ---- ----

Wind data corrected to true velocity.

| Total duration. From— | To— | Total amount of precipitation. | Excessive rate. Began— | Ended— | Amount before excessive began. |
|---|---|---|---|---|---|
| | | | | | |

Accumulated depths during excessive rate, for consecutive periods of time indicated below.

| 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | |

Excessive precipitation, accumulated amounts

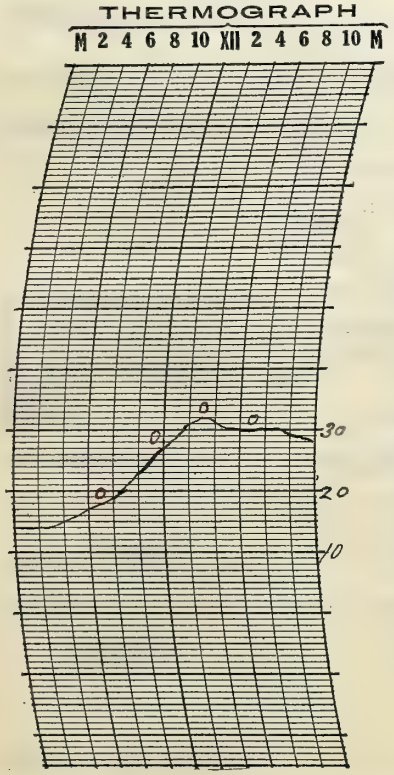
| Maximum Temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 32 | 14 | 23 | |

Total depth of snow for 24 hours ending 7 p. m., T inches.
Snow, sleet, and hail on ground 7 p. m., T inches.
Total snowfall, midnight to midnight, T inches.
Precipitation to 7 a. m., T ins.; to 7 p. m., T ins.
Total precipitation, midnight to midnight, T inches.
Character of day Cloudy Moon phase, ----
Average daily cloudiness (0-10), 10
Actual sunshine, hours, 4.4 Possible sunshine, hours, 11.7
Per cent of possible sunshine, 38
Prevailing wind direction, W Total wind, 219
Average hourly velocity, 9.1 Extreme velocity, 18
Maximum velocity, 17 Direction, SW
Time began, 11:18 a.m.
Reduced barometer, 30.34 7 a. m. 30.20 7 p. m.
River gage, 1.5 feet
Relative humidity, 84 7 a. m. 66 7 p. m.

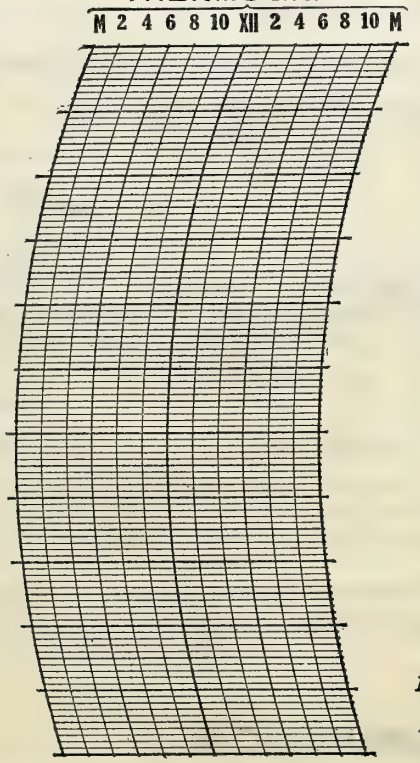
OBSERVATIONS AT 12 NOON. (Local Mean Time.)

Dry temperature, 27.3 Wet temperature, 24.9
Dew-point, 20 R. humidity, 72 V. pressure, 29.03
Clouds: Amount, 7; Kind, Sc; Direction, SW
Velocity of clouds (miles per hour)

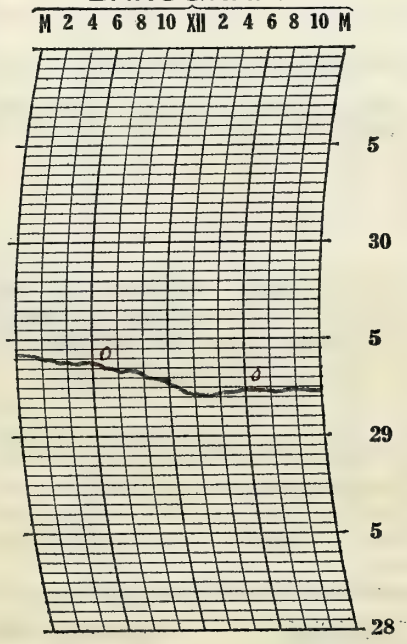
THERMOGRAPH




THERMOGRAPH




BAROGRAPH.




Prepared by R C L

Verified by L.C.S.

8—486

## NOTES

Flying conditions very good.

Form No. 1014—Met'1

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind, (Day of week) Sunday, (Date) MAR 12 1933, 193

Time (local standard) 90 mer. normal time.

| | A.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 | P.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Temperature at end of hour | 28 | 28 | 27 | 27 | 27 | 26 | 26 | 30 | 37 | 44 | 47 | 50 | 54 | 55 | 55 | 56 | 52 | 49 | 48 | 46 | 46 | 47 | 49 | 50 |
| State of weather. Nature of precipitation and time of beginning and ending | | | | | | | | | | | | | | | | | | | | | | | | |
| Amounts of precipitation | | | | | | | | | | | | | | | | | | | | | | | | |
| Cloudiness and other conditions | | | | | Part Cloudy × Clear | | | × Cloudy | | | | | × Clear | × Part Cloudy | × Clear | | | | | | × Cloudy | | | |
| Sunshine (in tenths of hours) | | | | | | 0 | 0 | 0 | 1.0 | 0.8 | 0.8 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 0.1 0.9 | .73 0 | | | | | | |
| Wind direction | W | W | W | W | W | W | W | W | S | SW | SW | SW | SW | SW | SW | SW | SW | SW | S | SW | SW | SW | SW | SW |
| Wind movement | 5 | 4 | 3 | 4 | 5 | 3 | 5 | 8 | 9 | 12 | 15 | 15 | 18 | 20 | 21 | 18 | 18 | 13 | 10 | 13 | 15 | 13 | 12 | 13 |
| Maximum velocities (exceeding 24 miles) direction and time | | | | | | | | | | | | | | | | | | | | | | | | |

Sunrise: Time, 5:57 Character, cloudy
Moonrise:
Sunset: Time, 5:44 Character, clear
Moonset:

Wind data corrected to true velocity.

| Total duration. From— | To— | Total amount of precipitation. | Excessive rate. Began— | Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | | | | | |

Excessive precipitation, accumulated amounts

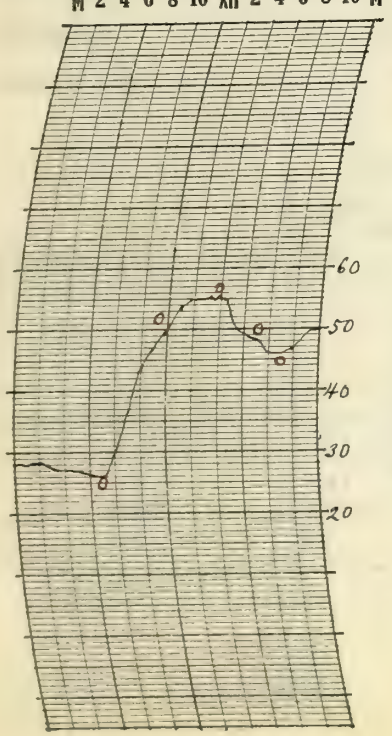
| Maximum Temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 56 | 26 | 41 | |

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day Part Cloudy Moon phase,
Average daily cloudiness (0-10), 4
Actual sunshine, hours, 9.3 Possible sunshine, hours, 11.8
Per cent of possible sunshine, 79
Prevailing wind direction, SW Total wind, 272
Average hourly velocity, 11.3 Extreme velocity, 25
Maximum velocity, 23 Direction, SW
Time began, 2:10 PM.
Reduced barometer, 30.10 7 a. m. 29.84 7 p. m.
River gage, 1.3 feet
Relative humidity, 88 7 a. m. 72 7 p. m.

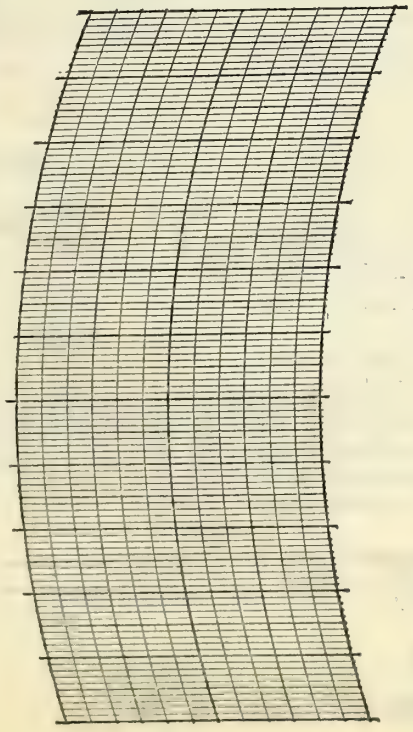
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 49.6 Wet temperature, 42.7
Dew-point, 35 R. humidity, 56 V. pressure, .203
Clouds: Amount, 10; Kind, St Cu; Direction, SW
Velocity of clouds (miles per hour)

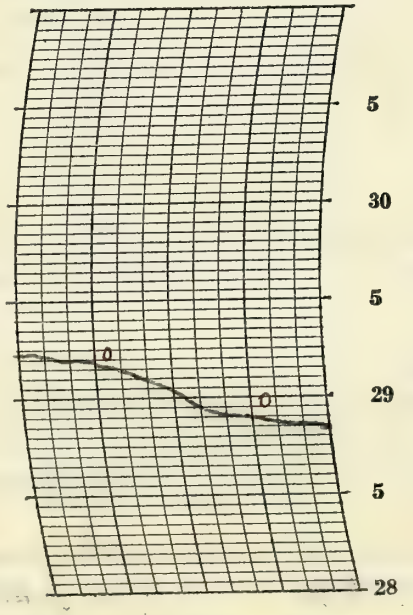
THERMOGRAPH
M 2 4 6 8 10 XII 2 4 6 8 10 M
60 50 40 30 20



THERMOGRAPH
M 2 4 6 8 10 XII 2 4 6 8 10 M



BAROGRAPH.
M 2 4 6 8 10 XII 2 4 6 8 10 M
5 30 5 29 5 28



Prepared by R. E. L.
Verified by L. C. S.

8—486

## NOTES

Flying conditions excellent.
Visibility about five miles most of day.
Solar Calo observed 6:40 A & 6:45 A.

Form No. 1014—Met'1

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Monday, (Date) MAR 13 1933, 193

Time (local standard) 90 mer. normal time.

| | A.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 | P.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Temperature at end of hour (50) | 50 (51) | 50 | 49 | 49 | 49 | 49 | 50 | 51 | 53 | 54 | 55 | 56 | 56 | 57 | 56 | 57 | 56 | 58 | 60 | 52 | 51 | 50 | 49 | 50 |
| State of weather. Nature of precipitation and time of beginning and ending | | | | RB DNA RE DNA | | | | RB 7:00 | RE 8:35 | RB 9:10 | | RE 11:25 | RB 12:05 | | | RE 3:55P | | | RB 6:20 | R4H 7:25 7:40 | RE 8:10 | | | |
| Amounts of precipitation | | | | .01 | | | | .09 | .10 | .04 | .02 | T | .05 | .04 | ⓒ .40 | ⓑ .18 | | | ⓐ .03 | ⓑ .52 | T | | | |
| Cloudiness and other conditions | | | | ← Light | | | | fog | | | Cloudy | | | | | | | | ← Rain | | → Sunset: Time, 5:45 Character, Cloudy | fog — | | ? |
| Sunrise: Time, 5:56 Character, Cloudy | | | | | | | | | | | | | | | | | | | | | | | | |
| Moonrise: | | | | | | | | | | | | | | | | | | | | | Moonset: | | | |
| Sunshine (in tenths of hours) | | | | | | 0 | 0 | 0 | 0.3 | 0 | 0 | 0.1 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | |
| Wind direction | SW | SW | SW | SW | SW | S | SE | SE | S | S | S | S | S | S | S | S | S | S | S | N | NE | S | SW | W |
| Wind movement | 12 | 12 | 9 | 7 | 8 | 7 | 9 | 9 | 11 | 11 | 9 | 10 | 7 | 11 | 10 | 12 | 12 | 12 | 12 | 13 | 6 | 7 | 8 | 9 |
| Maximum velocities (exceeding 24 miles) direction and time | | | | | | | | | | | | | | | | | | | | | | | | |

Wind data corrected to true velocity.

| | Total duration. From— | To— | Total amount of precipitation. | Excessive rate. Began— | Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Excessive precipitation, accumulated amounts | 6:20p | 8:10p | 0.55 | 7:24p | 7:39p | 0.08 | .26 | .36 | .41 | .44 | .46 | .47 | .47 | .47 | .47 | .47 | .47 | .47 | .47 | .47 |

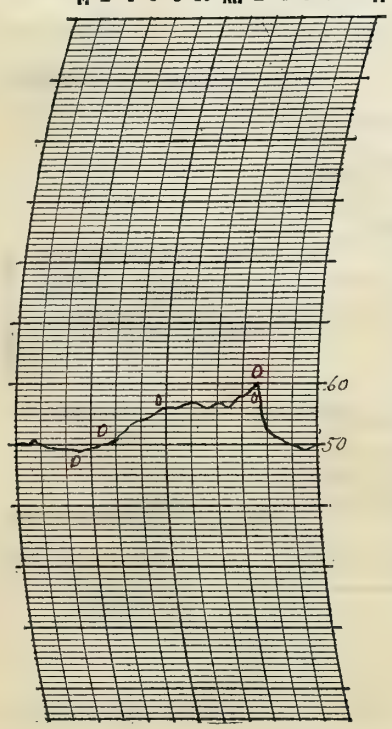
| Maximum Temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 60 | 49 | 54 | |

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., .01 ins.; to 7 p. m., .99 ins.
Total precipitation, midnight to midnight, 1.48 inches.
Character of day, Cloudy Moon phase,
Average daily cloudiness (0-10), 10
Actual sunshine, hours, 0.4 Possible sunshine, hours, 11.8
Per cent of possible sunshine, 3
Prevailing wind direction, S Total wind, 233
Average hourly velocity, 9.7 Extreme velocity, 26
Maximum velocity, 21 Direction, NW
Time began, 7:24 P.M.
Reduced barometer, 29.60 7 a. m. 29.27 7 p. m.
River gage, 1.1 feet
Relative humidity, 92 7 a. m. 93 7 p. m.

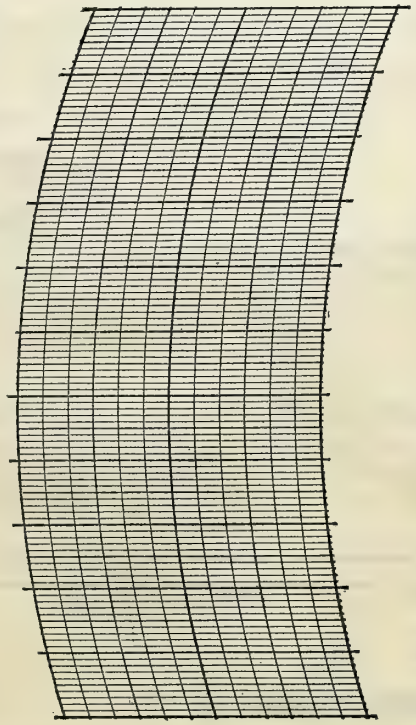
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 55.9 Wet temperature, 55.0
Dew-point, 54 R. humidity, 95 V. pressure, .417
Clouds: Amount, 10/10; Kind, St Ac Cu; Direction, S W S
Velocity of clouds (miles per hour)

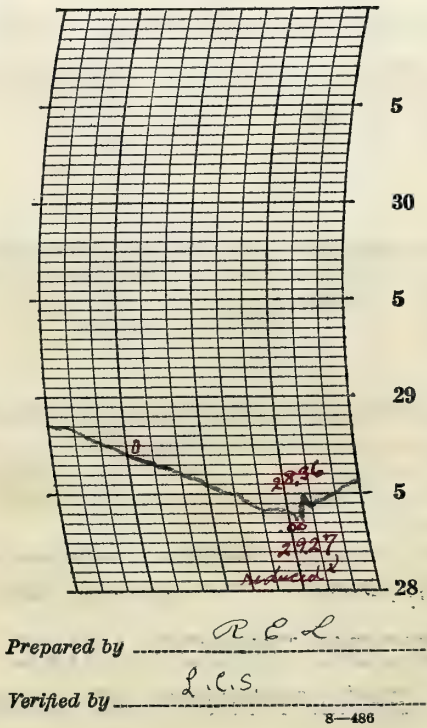
THERMOGRAPH




THERMOGRAPH




BAROGRAPH.




Prepared by R. E. L.

Verified by L. C. S.

8—486

ⓐ .01 in. added to instrument record
ⓑ .02 " " " "
ⓒ .06 " " " "

## NOTES

The first thunderstorm started at 7:14 A.M. and lasted about 40 minutes. The second was rather mild and occurred shortly after noon. The third was the most severe and began at 6:35 P.M. Hailstones in varying sizes fell between 7:25 P.M. & 7:40 P.M. The largest seen at the station measured 3/4 x 1 1/4 in. Some are called in and reported one 3 inches in circumference. Another reported one 1 5/8 inches in diameter. Windows were reported broken west of Town by large (2 in) stones. The bulk of the hail was about the size of a pea and average depth about 1/4 inch near the station.

A tornado did considerable damage in the southern part of Allen County about 7:30 P.M.

See Letter file under 905 for full report.

Form No. 1014—Met'1

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(Station) Fort Wayne Ind, (Day of week) Tuesday, (Date) MAR 14 1933, 193

Time (local standard) 90 mer. normal time.

| | A. M. | | | | | | | | | | | | P. M. | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 | 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 |
| Temperature at end of hour | 50 | 49 | 50 | 49 | 49 | 48 | 48 | 47 | 48 | 49 | 50 | 49 | 47 | 44 | 43 | 42 | 41 | 40 | 39 | 38 | 38 | 37 | 37 | 35 |
| State of weather. Nature of precipitation and time of beginning and ending | R mist B DNA | | E DNA | | | | | R 7.10 7.15 | | | | | | | | | | | | | | | | |
| Amounts of precipitation | T | .01 | T | | | | | T | | | | | | | | | | | | | | | | |
| Cloudiness and other conditions | ? | | Dense fog | | | | | | | Cloudy | | | | | | | | | | | | | | |
| Sunrise: Time, 5:54 Character, Foggy | | | | | | | | | | | | | | | | | | | | | | | | |
| Moonrise: | | | | | | | | | | | | | | | | | | | | | | | | |
| Sunset: Time, 5:46 Character, Cloudy | | | | | | | | | | | | | | | | | | | | | | | | |
| Moonset: | | | | | | | | | | | | | | | | | | | | | | | | |
| Sunshine (in tenths of hours) | | | | | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | |
| Wind direction | W | W | W | W | SW | SW | SW | SW | SW | SW | SW | NW | NW | NW | NW | NW | NW | NW | NW | NW | NW | NW | NW | NW |
| Wind movement | 7 | 7 | 7 | 9 | 8 | 7 | 4 | 5 | 4 | 5 | 8 | 9 | 11 | 12 | 13 | 12 | 12 | 12 | 14 | 15 | 12 | 10 | 10 | 13 |
| Maximum velocities (exceeding 24 miles) direction and time | | | | | | | | | | | | | | | | | | | | | | | | |

Wind data corrected to true velocity.

| | Total duration. From— | To— | Total amount of precipitation. | Excessive rate. Began— | Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Excessive precipitation, accumulated amounts | | | | | | | | | | | | | | | | | | | | |

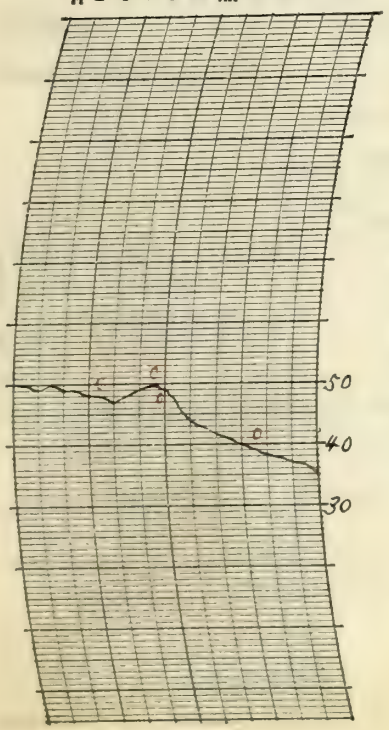
| Maximum Temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 50 | 35 | 42 | |

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., .55 ins.; to 7 p. m., T ins.
Total precipitation, midnight to midnight, .01 inches.
Character of day, cloudy Moon phase,
Average daily cloudiness (0-10), 10
Actual sunshine, hours, 0 Possible sunshine, hours, 11.2
Per cent of possible sunshine, 0
Prevailing wind direction, N.W. Total wind, 226
Average hourly velocity, 9.4 Extreme velocity, 17
Maximum velocity, 16 Direction, N.W.
Time began, 7:14 P.M.
Reduced barometer, 29.56 7 a. m. 29.76 7 p. m.
River gage, 11.6 feet
Relative humidity, 100 7 a. m. 85 7 p. m.

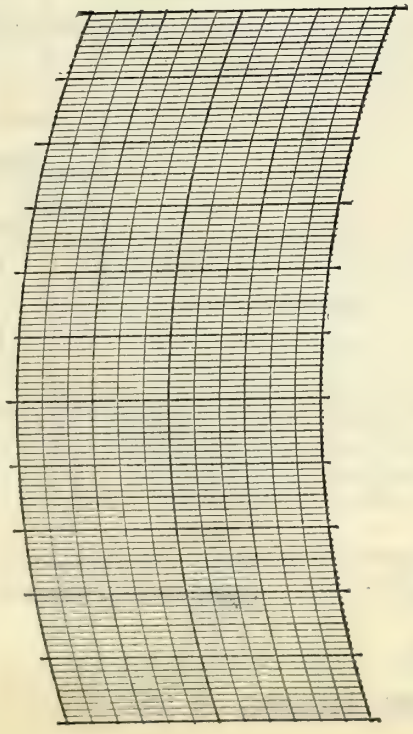
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 49.0 Wet temperature, 48.6
Dew-point, 48 R. humidity, 97 V. pressure, .334
Clouds: Amount, 10; Kind, St Cu; Direction, N.W.
Velocity of clouds (miles per hour)

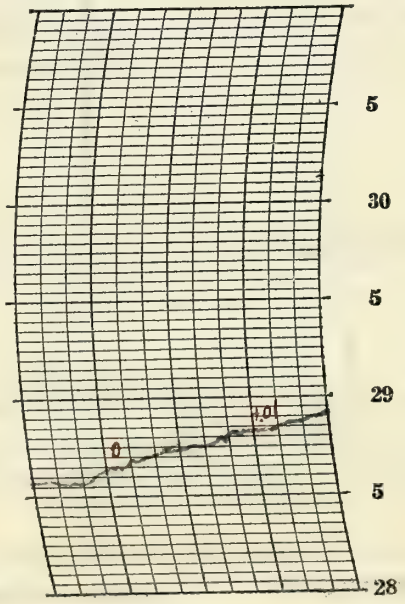
THERMOGRAPH




THERMOGRAPH




BAROGRAPH.




Prepared by R.C.L.

Verified by L.C.S.

8—486

## NOTES

Visibility slowly improved and became excellent in late afternoon.

Form No. 1014—Met'1

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Wednesday, (Date) MAR 15 1933, 193

Time (local standard) 90 mer. normal time.

| | A.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 | P.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Temperature at end of hour | 33 | 33 | 31 | 29 | 28 | 28 | 28 | 28 | 28 | 29 | 29 | 29 | 31 | 32 | 31 | 31 | 31 | 30 | 28 | 28 | 27 | 27 | 26 | 26 |
| State of weather: Nature of precipitation and time of beginning and ending | | | | | | very light flurries | S 6:25 | S 8:30 | S 8:30 | | | | | | | | | | | | | | | |
| State of weather: Amounts of precipitation | | | | | | | T | T | T | | | | | | | | | | | | | | | |
| State of weather: Cloudiness and other conditions | | | | | | Cloudy | | | | | | | Part Cloudy | | | | Clear | | | | | | | |
| Sunshine (in tenths of hours) | | | | | | 0 | 0 | 0 | 0.1 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 0.8 | 0.8 | 1.0 | .68 0.1 | | | | | | |
| Wind direction | NW | NW | NW | NW | NW | NW | NW | NW | NW | NW | NW | NW | NW | NW | NW | NW | NW | NW | NW | NW | NW | N | N | N |
| Wind movement | 12 | 13 | 16 | 17 | 17 | 15 | 15 | 15 | 16 | 15 | 14 | 14 | 15 | 14 | 14 | 14 | 13 | 11 | 9 | 6 | 7 | 5 | 3 | 4 |

Sunrise: Time, 5:53 Character, Cloudy. Moonrise: ---- ----

Sunset: Time, 5:47 Character, Clear. Moonset: ---- ----

Maximum velocities (exceeding 24 miles) direction and time

Wind data corrected to true velocity.

Excessive precipitation, accumulated amounts

| Total duration. From— | To— | Total amount of precipitation. | Excessive rate. Began— | Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | | | | | |

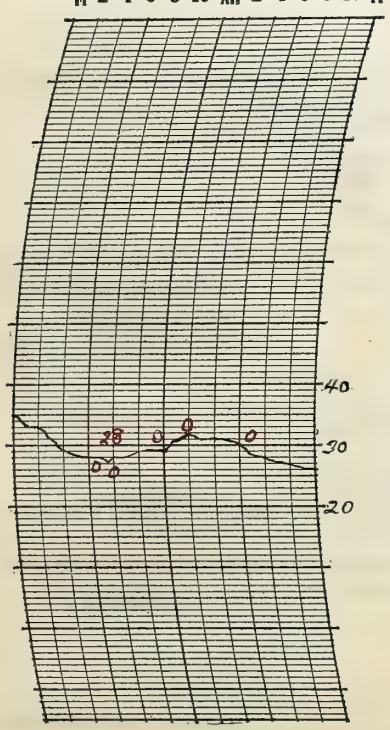
| Maximum Temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 35 | 26 | 30 | |

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, T inches.
Precipitation to 7 a. m., T ins.; to 7 p. m., T ins.
Total precipitation, midnight to midnight, T inches.
Character of day, Part Cloudy Moon phase,
Average daily cloudiness (0-10), 7
Actual sunshine, hours, 8.5 Possible sunshine, hours, 11.9
Per cent of possible sunshine, 71
Prevailing wind direction, NW Total wind, 294
Average hourly velocity, 12.2 Extreme velocity, 22
Maximum velocity, 22 Direction, NW
Time began, 2:18A
Reduced barometer, 30.10 7 a. m. 30.37 7 p. m.
River gage, 14.8 feet
Relative humidity, 82 7 a. m. 54 7 p. m.

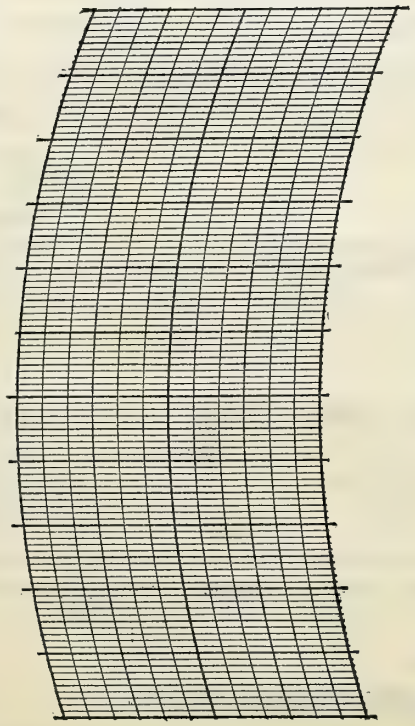
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 29.0 Wet temperature, 26.0
Dew-point, 20 R. humidity, 67 V. pressure, .103
Clouds: Amount, 8; Kind, St Cu; Direction, NW
Velocity of clouds (miles per hour)

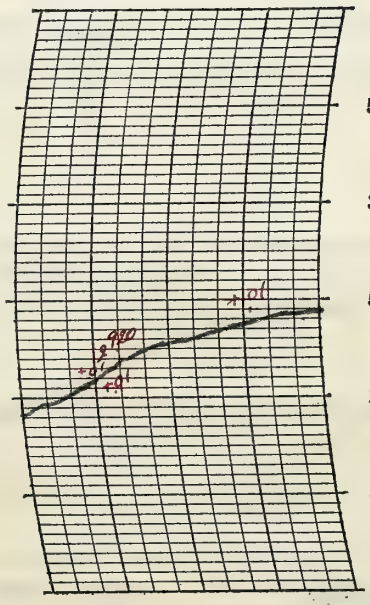
THERMOGRAPH




THERMOGRAPH




BAROGRAPH.




Prepared by L.C.S.

Verified by R.E.L.

8—486

## NOTES

Rivers crested slightly below flood stage early this morning.
Flying conditions excellent.

Form No. 1014–Met'1

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Thursday, (Date) MAR 16 1933, 193

Time (local standard) 90 mer. normal time.

| | A.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 | P.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Temperature at end of hour | 25 | 25 | 25 | 24 | 24 | 24 | 25 | 27 | 30 | 33 | 36 | 38 | 39 | 40 | 41 | 41 | 41 | 40 | 39 | 38 | 38 | 37 | 36 | 35 |
| State of weather. Nature of precipitation and time of beginning and ending | | | | | | | | Clear | x | | | | | | Cloudy | | | | | Pt Cldy x Clear | | | | |
| Amounts of precipitation | | | | | | | | | | | | | | | | | | | | | | | | |
| Cloudiness and other conditions | | | | | | | | | | | | | | | | | | | | | | | | |
| Sunshine (in tenths of hours) | | | | | | .15 0 | 0.9 0.1 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 0 | 0 | 0 | 0 | | | | | | |
| Wind direction | N | N | N | SE | SE | SE | SE | SE | S | S | S | SW | SW | SW | S | S | S | SW | S | S | S | S | S | S |
| Wind movement | 3 | 5 | 6 | 7 | 6 | 6 | 9 | 12 | 13 | 12 | 15 | 15 | 14 | 14 | 13 | 12 | 10 | 9 | 8 | 6 | 4 | 6 | 7 | 7 |
| Maximum velocities (exceeding 24 miles) direction and time | | | | | | | | | | | | | | | | | | | | | | | | |

Sunrise: Time, 5:51 Character, Clear. Moonrise: ---- ----

Sunset: Time, 5:48 Character, Cloudy. Moonset: ---- ----

Wind data corrected to true velocity.

| Total duration. From— | To— | Total amount of precipitation. | Excessive rate. Began— | Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | | | | | |

Excessive precipitation, accumulated amounts

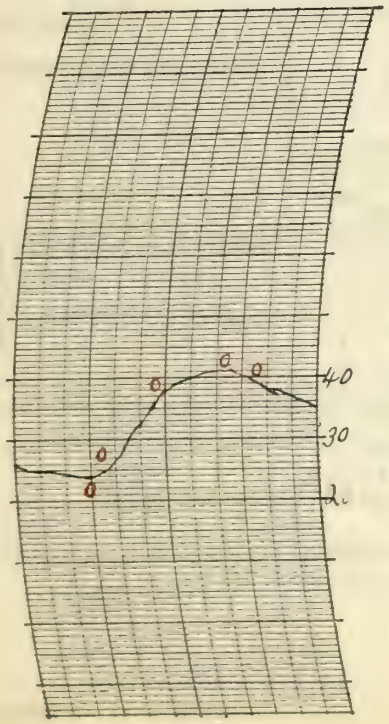
| Maximum Temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 41 | 24 | 32 | |

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Pt Cloudy Moon phase, ----
Average daily cloudiness (0-10) 6.7
Actual sunshine, hours, 8.2 Possible sunshine, hours, 12.0
Per cent of possible sunshine, 68
Prevailing wind direction, S Total wind, 222
Average hourly velocity, 9.2 Extreme velocity, 18
Maximum velocity, 17 Direction, SW
Time began, 10:36A ----
Reduced barometer, 30.41 7a. m. 30.17 7p. m.
River gage, 13.1 feet
Relative humidity, 77 7a. m. 67 7p. m.

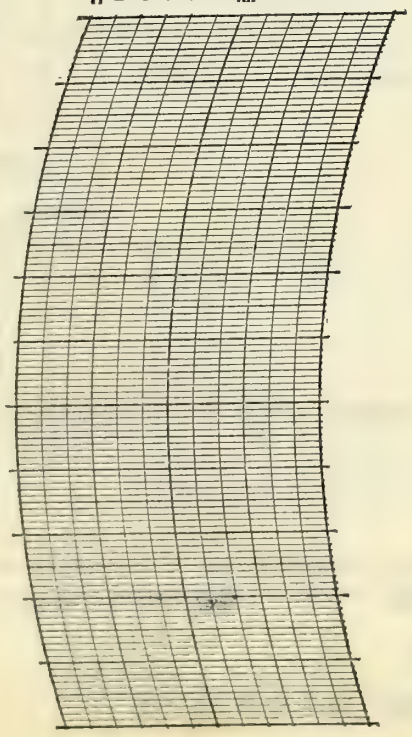
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 38.0 Wet temperature, 33.2
Dew-point, 26 R. humidity, 61 V. pressure, .136
Clouds: Amount, 10; Kind, a.s.t.; Direction, W
Velocity of clouds (miles per hour)

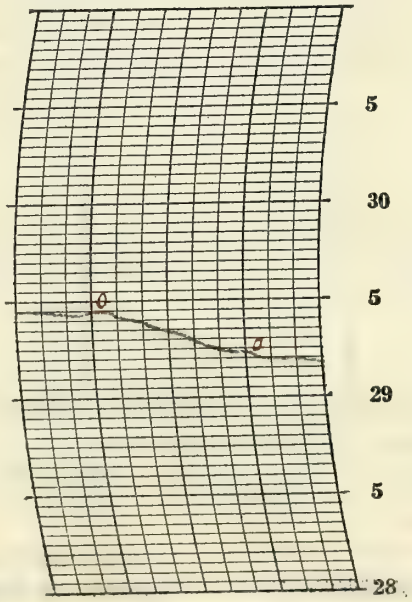
THERMOGRAPH




THERMOGRAPH




BAROGRAPH.




Prepared by I. C. S.

Verified by R. E. L.

8—486

## NOTES

Bright solar halo 11 oc a. m., Complete circle With coloring red and green 7 lying conditions Were good all day

Form No. 1014—Met'1

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Friday, (Date) MAR 17 1933, 193

Time (local standard) 90 mer. normal time.

| | A.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 | P.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Temperature at end of hour (35) | 35 | 34 | 34 | 34 | 33 | 32 | 34 | 36 | 40 | 45 | 49 | 53 | 55 | 57 | 58 | 57 | 56 | 55 | 54 | 52 | 50 | 50 | 50 | 49 |
| State of weather. Nature of precipitation and time of beginning and ending | | | | | | | | | | | | | | | | | | | | | | | | |
| Amounts of precipitation | | | | | | | | | | | | | | | | | | | | | | | | |
| Cloudiness and other conditions | | | | | | ← Clear | | → Cldy * | | | | Cloudy | → | | | | | | | | → | | | |
| Sunrise: Time, 5:49 Character, Clear / Moonrise: | | | | | | | | | | | | | | | | | | | | | Sunset: Time, 5:50 Character, Cloudy / Moonset: | | | |
| Sunshine (in tenths of hours) | | | | | | 1.8 0 | 1.0 0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 0.9 | 0.1 | 0 | 0 | | | | | | |
| Wind direction | S | S | SW | SW | SW | SW | SW | SW | SW | SW | SW | SW | SW | SW | S | S | S | S | S | S | S | SE | SE | SE |
| Wind movement | 8 | 7 | 8 | 7 | 8 | 7 | 6 | 8 | 9 | 6 | 5 | 7 | 9 | 9 | 11 | 9 | 9 | 6 | 6 | 6 | 7 | 9 | 7 | 8 |
| Maximum velocities (exceeding 24 miles) direction and time | | | | | | | | | | | | | | | | | | | | | | | | |

Wind data corrected to true velocity.

| | Total duration. From— | To— | Total amount of precipitation. | Excessive rate. Began— | Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Excessive precipitation, accumulated amounts | | | | | | | | | | | | | | | | | | | | |

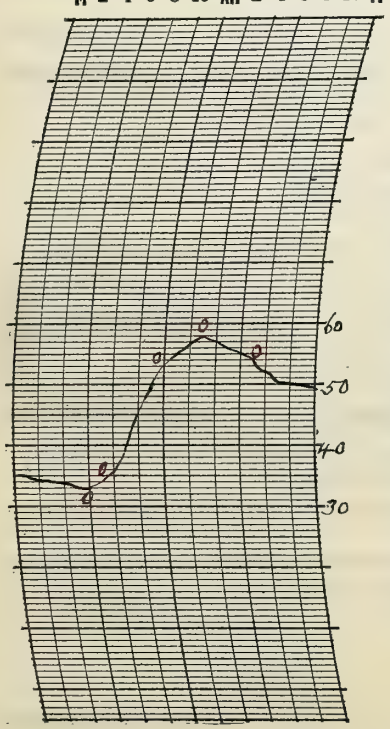
| Maximum Temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 58 | 33 | 46 | |

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Pt Cloudy Moon phase,
Average daily cloudiness (0-10), 7
Actual sunshine, hours, 9.2 Possible sunshine, hours, 12.0
Per cent of possible sunshine, 76
Prevailing wind direction, SW Total wind, 182
Average hourly velocity, 7.6 Extreme velocity, 12
Maximum velocity, 12 Direction, SW
Time began, 2:58P
Reduced barometer, 30.14 7 a. m. 30.06 7 p. m.
River gage, 9.1 feet
Relative humidity, 74 7 a. m. 48 7 p. m.

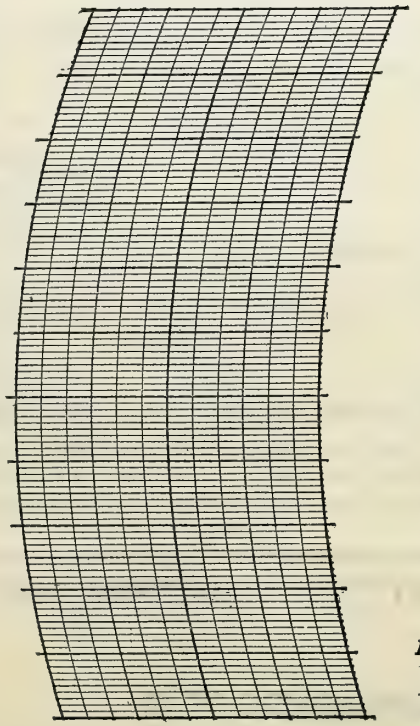
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 53.0 Wet temperature, 43.4
Dew-point, 32 R. humidity, 44 V. pressure, 180
Clouds: Amount, 9; Kind, Cu; Direction, SW
Velocity of clouds (miles per hour)

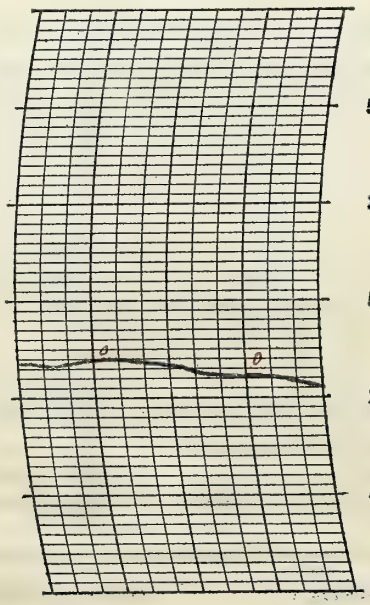
THERMOGRAPH




THERMOGRAPH




BAROGRAPH.




Prepared by L. C. S.

Verified by R. E. L.

8—486

## NOTES

A Solar Halo was first observed at 9:05 a.m. and was very faint, disappearing soon after it reappeared intermittently throughout the day.

The day was suitable for flying.

Form No. 1014—Met'1

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Saturday, (Date) MAR 18 1933, 193

Time (local standard) 90 mer. normal time.

| | A.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 | P.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Temperature at end of hour | 50 | 48 | 44 | 38 | 36 | 36 | 36 | 37 | 37 | 38 | 38 | 39 | 39 | 39 | 39 | 38 | 37 | 36 | 35 | 34 | 33 | 32 | 32 | 32 |
| State of weather. Nature of precipitation and time of beginning and ending | | | R DNA | | | | | | | | | | | | | | | | | | | | | R ended |
| Amounts of precipitation | | | ②.08 | ②.11 | ②.11 | ②.15 | ①.05 | T | T | .01 | T | T | T | T | T | T | T | T | T | T | ①.01 | ①.06 | .02 | .03 |
| Cloudiness and other conditions | | | | | | | ← Cloudy | | | | | | Cloudy Lt. Fog → | | | | | | | | | | | |
| Sunrise: Time, 5:48 Character, Cloudy. Moonrise: | | | | | | | | | | | | | | | | | | | | | Sunset: Time, 5:51 Character, Cloudy. Moonset: | | | |
| Sunshine (in tenths of hours) | | | | | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | |
| Wind direction | SE | E | NE | NE | NE | NE | NE | NE | NE | NE | NE | NE | NE | NE | NE | NE | NE | NE | NE | NE | NE | E | NE | NE |
| Wind movement | 7 | 8 | 8 | 11 | 9 | 9 | 11 | 10 | 10 | 11 | 11 | 11 | 10 | 11 | 12 | 13 | 16 | 13 | 14 | 15 | 14 | 13 | 15 | 15 |
| Maximum velocities (exceeding 24 miles) direction and time | | | | | | | | | | | | | | | | | | | | | | | | |

Wind data corrected to true velocity.

| Total duration. From— | To— | Total amount of precipitation. | Excessive rate. Began— | Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | | | | | |

Excessive precipitation, accumulated amounts

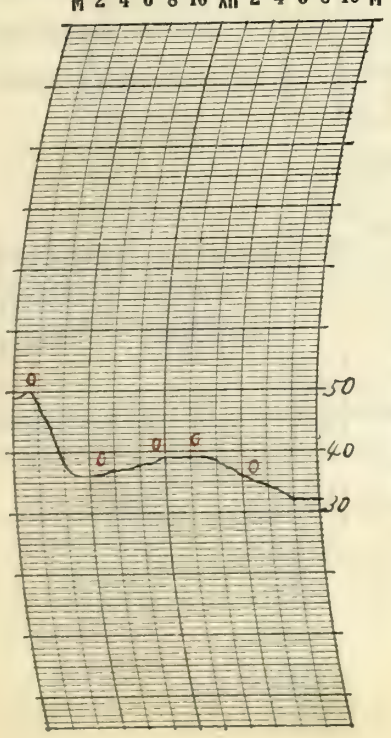
| Maximum Temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 50 | 32 | 41 | |

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0.50 ins.; to 7 p. m., .02 ins.
Total precipitation, midnight to midnight, 0.63 inches.
Character of day, Cloudy Moon phase,
Average daily cloudiness (0-10), 10
Actual sunshine, hours, 0 Possible sunshine, hours, 12.0
Per cent of possible sunshine, 0
Prevailing wind direction, NE Total wind, 277
Average hourly velocity, 11.5 Extreme velocity, 22
Maximum velocity, 21 Direction, NE
Time began, 11:05 P.M.
Reduced barometer, 29.87 7 a. m. 29.91 7 p. m.
River gage, 7.5 feet
Relative humidity, 95 7 a. m. 99 7 p. m.

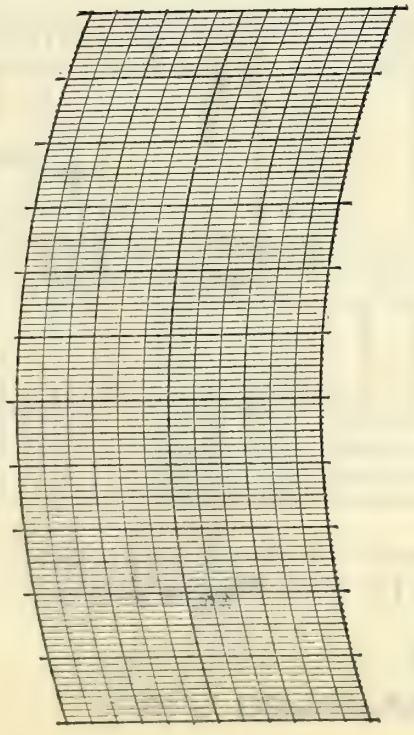
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 38.9 Wet temperature, 38.0
Dew-point, 37 R. humidity, 93 V. pressure, 29.19
Clouds: Amount, 10; Kind, St Fog; Direction, NE
Velocity of clouds (miles per hour)

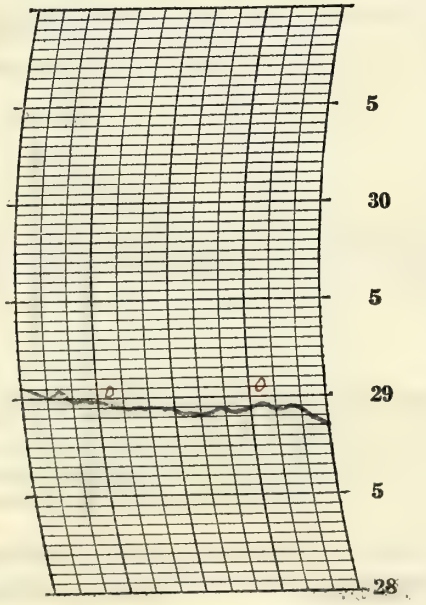
THERMOGRAPH




THERMOGRAPH




BAROGRAPH.




Prepared by L. C. A.

Verified by R. E. L.

8—486

## NOTES

7 Flying Conditions Were Extremely poor entire day.
Visibility becoming as low as three quarters of a mile and ceilings ranged around four hundred feet

① .01 inch of rainfall added to instrument record.
② .02 " " " " " " "
③ .03 " " " " " " "

Form No. 1014—Met'1

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(Station) ~~Fort Wayne, Ind.~~, (Day of week) Sunday, (Date) MAR 19 1933, 193

Time (local standard) 90 mer. normal time.

| | A. M. | | | | | | | | | | | | P. M. | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 | 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 |
| Temperature at end of hour (32) | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 33 | 33 | 33 | 33 | 33 | 34 | 34 | 34 | 33 | 33 | 33 | 33 | 32 | 32 | 32 |
| State of weather. Nature of precipitation and time of beginning and ending | R cutd | | | | | ② | ① | | | | | | | | | | | | | | | | | R cut'd |
| Amounts of precipitation | T | .01 | T | .02 | .02 | .09 | .01 | T | .01 | T | T | T | T | T | T | T | T | T | .01 | T | T | T | T | T |
| Cloudiness and other conditions | | | | | | | | | | | | | Cloudy & foggy | | | | | | | | | | | |
| Sunshine (in tenths of hours) | | | | | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | |
| Wind direction | NE | NE | NE | NE | NE | NE | NE | NE | NE | NE | NE | NE | NE | NE | E | NE | E | NE | NE | NE | NE | NE | NE | NE |
| Wind movement | 15 | 12 | 13 | 12 | 15 | 15 | 13 | 15 | 12 | 11 | 11 | 11 | 10 | 10 | 10 | 10 | 10 | 10 | 11 | 10 | 10 | 12 | 11 | 12 |

Sunrise: Time, 5:46 Character, Cloudy. Moonrise:

Sunset: Time, 5:52 Character, Cloudy. Moonset:

Maximum velocities (exceeding 24 miles) direction and time

Wind data corrected to true velocity.

| Total duration. From— | To— | Total amount of precipitation. | Excessive rate. Began— | Ended— | Amount before excessive began. |
|---|---|---|---|---|---|
| | | | | | |

Accumulated depths during excessive rate, for consecutive periods of time indicated below.

| 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | |

Excessive precipitation, accumulated amounts

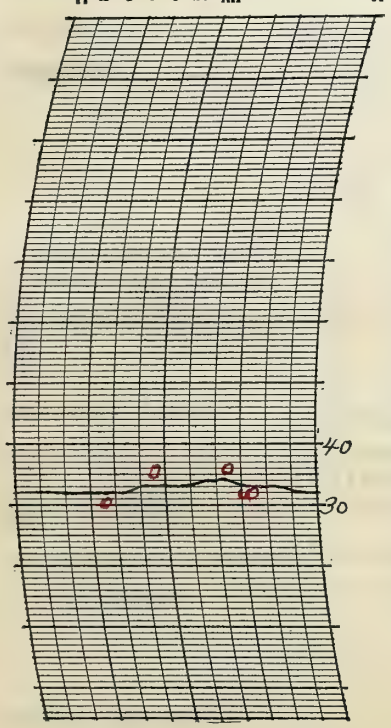
| Maximum Temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 34 | 32 | 33 | |

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., .027 ins.; to 7 p. m., .02 ins.
Total precipitation, midnight to midnight, 0.17 inches.
Character of day, Cloudy Moon phase,
Average daily cloudiness (0-10), 10
Actual sunshine, hours, 0 Possible sunshine, hours, 12.1
Per cent of possible sunshine, 0
Prevailing wind direction, NE Total wind, 281
Average hourly velocity, 11.7 Extreme velocity, 20
Maximum velocity, 18 Direction, NE
Time began, 5:21 a. m.
Reduced barometer, 29.72 7 a. m. 29.68 7 p. m.
River gage, 11.2 feet
Relative humidity, 99 7 a. m. 100 7 p. m.

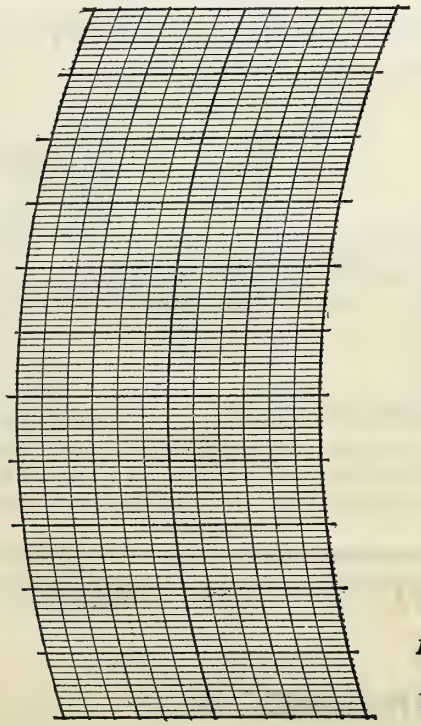
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 33.0 Wet temperature, 32.3
Dew-point, 32 R. humidity, 93 V. pressure, 1.80
Clouds: Amount, 10 ; Kind, St-Sc ; Direction, NE
Velocity of clouds (miles per hour)

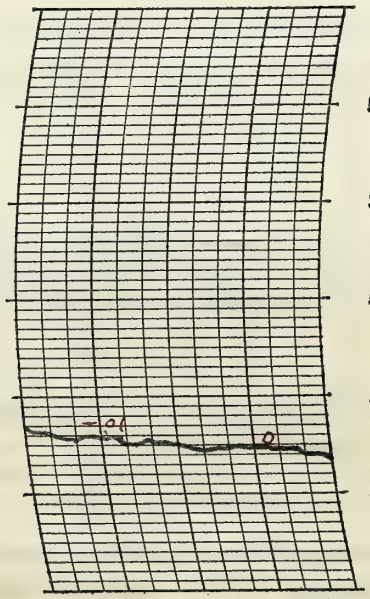
THERMOGRAPH




THERMOGRAPH




BAROGRAPH.




Prepared by L. C. S.

Verified by R. E. L.

8—486

## NOTES

Rain froze to exposed twigs on trees slightly during morning. Flying conditions were poor. Visibility ranged around 2 miles all day and ceilings were from 500 to 700 ft.

① .01 inch added to instrument record.

② .02 inch added to instrument record.

Form No. 1014—Met'1

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Monday, (Date) MAR 20 1933, 193

Time (local standard) 90 mer. normal time.

| | A.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 | P.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Temperature at end of hour | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 33 | 33 | 34 | 36 | 36 RE 12:10P | 37 | 38 | 39 | 40 | 39 | 37 | 35 | 34 | 33 | 32 | 31 |
| State of weather. Nature of precipitation and time of beginning and ending | R end'd | | | | | | | | | | | | | | | | | | | | | | | |
| Amounts of precipitation | T | T | .11 | .05 | T | T | T | .01 | .18 ② | .05 ① | .01 | T | .01 | | | | | | | | | | | |
| Cloudiness and other conditions | ← Fog — ? — Fog → | | | | | | | | ← Fog | | | | → | | | | | | | | | | | |
| Sunshine (in tenths of hours) | | | | | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | |
| Wind direction | NE | NE | NE | NE | NE | NE | NE | NE | NE | NE | NE | E | E | E | SW | W | W | SW | W | SW | W | W | SW | SW |
| Wind movement | 13 | 11 | 9 | 12 | 11 | 12 | 12 | 13 | 7 | 10 | 7 | 9 | 6 | 4 | 9 | 8 | 9 | 12 | 13 | 16 | 15 | 15 | 14 | 15 |

Sunrise: Time 5:44, Character Foggy — Moonrise:

Sunset: Time 5:53, Character Cloudy — Moonset:

Maximum velocities (exceeding 24 miles) direction and time

Wind data corrected to true velocity.

| Total duration. From— | To— | Total amount of precipitation. | Excessive rate. Began— | Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | | | | | |

Excessive precipitation, accumulated amounts

| Maximum Temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 40 | 31 | 36 | |

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0.16 ins.; to 7 p. m., .26 ins.
Total precipitation, midnight to midnight, .42 inches.
Character of day, Cloudy Moon phase,
Average daily cloudiness (0-10), 10
Actual sunshine, hours, 0 Possible sunshine, hours, 12.2
Per cent of possible sunshine, 0
Prevailing wind direction, NE Total wind, 262
Average hourly velocity, 10.9 Extreme velocity, 21
Maximum velocity, 20 Direction, SW
Time began, 7:45 P.M.
Reduced barometer, 29.45 7 a. m. 29.38 7 p. m.
River gage, 12.5
Relative humidity, 98 7 a. m. 92 7 p. m.

OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 35.8 Wet temperature, 35.0
Dew-point, 34 R. humidity, 93 V. pressure, .195
Clouds: Amount, 10; Kind, St-Cu; Direction, E
Velocity of clouds (miles per hour)

THERMOGRAPH
M 2 4 6 8 10 XII 2 4 6 8 10 M
50 40 30

THERMOGRAPH
M 2 4 6 8 10 XII 2 4 6 8 10 M

BAROGRAPH.
M 2 4 6 8 10 XII 2 4 6 8 10 M
5 30 5 29 5 28

Prepared by R.E.L.

Verified by L.C.S.

8—486

① .01 in. added to Sun. record
② .02 " added " "

## NOTES

Thunder first heard at 8:18 a.m. and last heard at 8:35 a.m. It was moderate in intensity and no damage was reported.

Fog dense in early morning became light at 7:05 a.m.

Flying conditions remained very poor all day. Visibility 2 to 4 miles and ceilings 4 to 7 hundred feet.

Form No. 1014—Met'l

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Tuesday, (Date) MAR 21 1933, 193

Time (local standard) 90 mer. normal time.

| | A.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 | P.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Temperature at end of hour (31) | 31 | 30 | 30 | 30 | 29 | 28 | 28 | 28 | 27 | 28 | 29 | 29 | 29 | 30 | 29 | 29 | 30 | 30 | 30 | 30 | 30 | 30 | 31 | 31 |
| State of weather: Nature of precipitation and time of beginning and ending | | S m 6 | DNA | | | | | SM E 730 S B 730 | | | | | | | | | | | | | | | | |
| Amounts of precipitation | | T | T | Light | T | to .01 | T | moderate | T | T | .01 | | T | Flurries | T | .01 | T | all | day | .01 | T | T | T | T |
| Cloudiness and other conditions | | < | | | | | | | | | Cloudy | | Cloudy | | | | | | | | | | | > |
| Sunrise: Time, Character, 5.43 Cloudy; Moonrise: | | | | | | | | | | | | | | | | | | | | | Sunset: Time, Character, 5.54 Cloudy; Moonset: | | | |
| Sunshine (in tenths of hours) | | | | | | 0 | 0 | 0 | 0.2 | 0.4 | 0 | 0 | 0 | 0.1 | 0 | 0 | 0 | 0 | | | | | | |
| Wind direction | SW | SW | SW | SW | SW | SW | SW | SW | SW | SW | SW | W | SW | W | W | W | W | W | W | W | W | W | W | W |
| Wind movement | 15 | 15 | 15 | 15 | 16 | 17 | 16 | 15 | 16 | 16 | 16 | 17/15 | 17/15 | 19 | 16 | 15 | 16 | 18 | 18 | 15 | 14 | 15 | 15 | 17 |
| Maximum velocities (exceeding 24 miles) direction and time | | | | | | | | | | | | | | | | | | | | | | | | |

Wind data corrected to true velocity.

| | Total duration. From— | To— | Total amount of precipitation. | Excessive rate. Began— | Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Excessive precipitation, accumulated amounts | | | | | | | | | | | | | | | | | | | | |

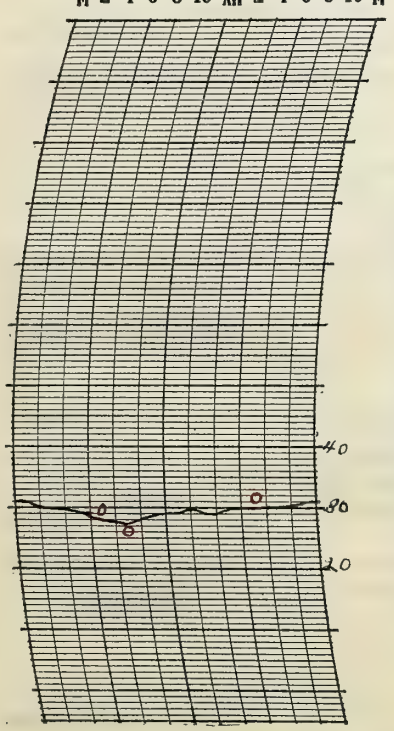
| Maximum Temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 31 | 27 | 29 | |

Total depth of snow for 24 hours ending 7 p. m., 0.4 inches.
Snow, sleet, and hail on ground 7 p. m., T inches.
Total snowfall, midnight to midnight, 0.4 inches.
Precipitation to 7 a. m., .01 ins.; to 7 p. m., .03 ins.
Total precipitation, midnight to midnight, .04 inches.
Character of day, Cloudy Moon phase,
Average daily cloudiness (0-10), 10
Actual sunshine, hours, 0.7 Possible sunshine, hours, 12.2
Per cent of possible sunshine, 6
Prevailing wind direction, SW, W Total wind, 384
Average hourly velocity, 16.0 Extreme velocity, 27
Maximum velocity, 24 Direction, W
Time began, 2.18 P.M.
Reduced barometer, 29.45 7 a. m. 29.61 7 p. m.
River gage, 14.6 feet
Relative humidity, 82 7 a. m. 86 7 p. m.

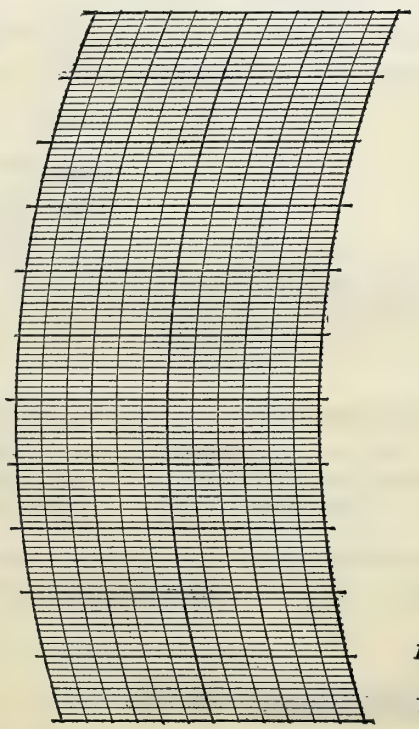
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 28.7 Wet temperature, 28.0
Dew-point, 27 R. humidity, 92 V. pressure, 143
Clouds: Amount, 10; Kind, St; Direction, W
Velocity of clouds (miles per hour)

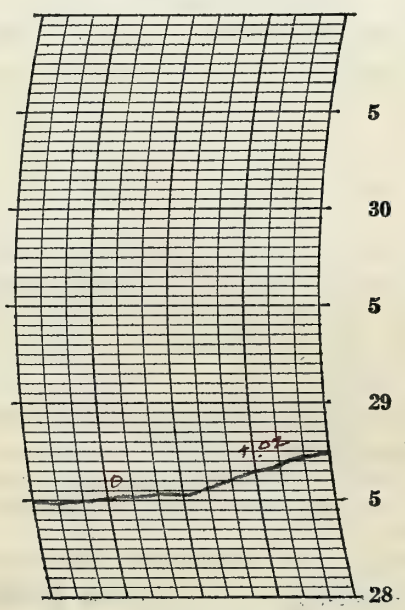
THERMOGRAPH




THERMOGRAPH




BAROGRAPH.




Prepared by R E L

Verified by L. C. S.

8—486

## NOTES

Flood warning issued at 8:30 a.m.
Maumee at Fort Wayne crested at about 15 feet between 4:00 P.M. and 8:00 P.M.
Flying conditions fair to poor.

Form No. 1014—Met'1

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Wednesday, (Date) MAR 22 1933, 193

Time (local standard) 90 mer. normal time.

| | A.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 | P.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Temperature at end of hour | 31 | 31 | 31 | 31 | 30 | 30 | 30 | 30 | 30 | 30 | 32 | 33 | 34 | 34 | 35 | 35 | 36 | 35 | 34 | 34 | 33 | 32 | 32 | 30 |
| State of weather: Nature of precipitation and time of beginning and ending | S cnt'd | | | | | | | | | SE 940 | | | | | | | | | | | | | | |
| Amounts of precipitation | T | T | Light snow flurries | | | T | 01 | T | T | T | | | | | | | | | | | | | | |
| Cloudiness and other conditions | | | | | | | | | | | Cloudy | | | | | | | | | | | | | |
| Sunrise: Time, Character, 5:41 Cloudy. Moonrise: | | | | | | | | | | | | | | | | | | | | | Sunset: Time, Character, 5:55 Cloudy. Moonset: | | | |
| Sunshine (in tenths of hours) | | | | | | 0 | 0 | 0 | 0.1 | 0.1 | 0.6 | 0.8 | 0 | 0 | 0.5 | 0 | 0 | 0 | | | | | | |
| Wind direction | W | W | W | W | W | W | W | W | W | W | W | W | W | W | W | W | W | NW | NW | NW | NW | NW | NW | N |
| Wind movement | 16 | 16 | 15 | 18 | 15 | 14 | 14 | 14 | 14 | 17 | 18 | 15 | 13 | 15 | 14 | 12 | 10 | 7 | 6 | 6 | 5 | 6 | 7 | 7 |
| Maximum velocities (exceeding 24 miles) direction and time | | | | | | | | | | | | | | | | | | | | | | | | |

Wind data corrected to true velocity.

| Total duration. From— | To— | Total amount of precipitation. | Excessive rate. Began— | Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | | | | | |

Excessive precipitation, accumulated amounts

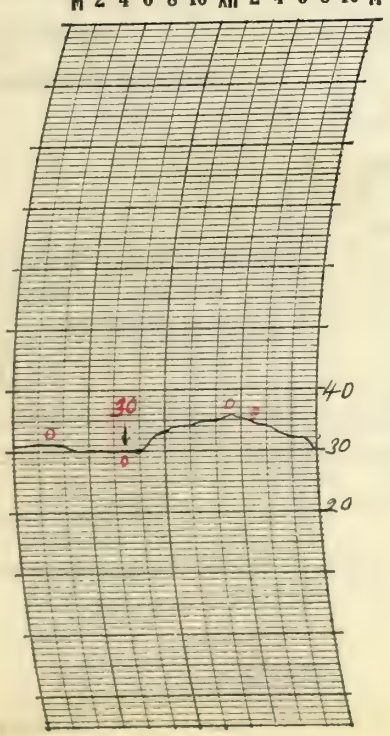
| Maximum Temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 36 | 29 | 32 | |

Total depth of snow for 24 hours ending 7 p. m., 0.1 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0.1 inches.
Precipitation to 7 a. m., .01 ins.; to 7 p. m., T ins.
Total precipitation, midnight to midnight, .01 inches.
Character of day, Cloudy Moon phase,
Average daily cloudiness (0-10), 10
Actual sunshine, hours, 2.1 Possible sunshine, hours, 12.2
Per cent of possible sunshine, 17
Prevailing wind direction, W Total wind, 294
Average hourly velocity, 12.2 Extreme velocity, 22
Maximum velocity, 21 Direction, W
Time began, 10:27 A. M.
Reduced barometer, 29.83 7 a. m. 2999 7 p. m.
River gage, 14.2 feet
Relative humidity, 84 7 a. m. 61 7 p. m.

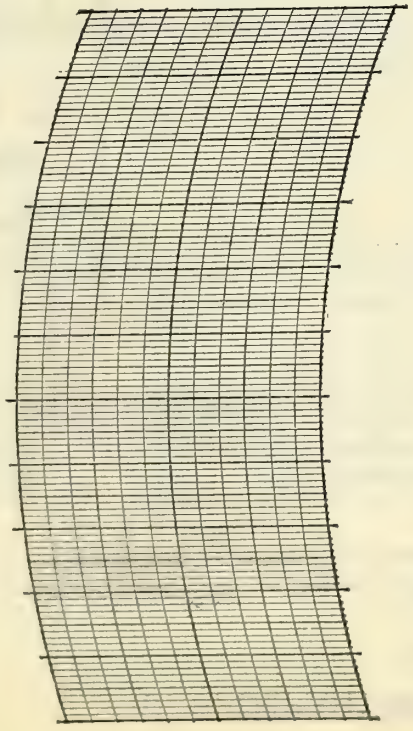
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 32.8 Wet temperature, 28.3
Dew-point, 21 R. humidity, 56 V. pressure, 1.08
Clouds: Amount, 6; Kind, Strat.-cu.; Direction, NW
Velocity of clouds (miles per hour)

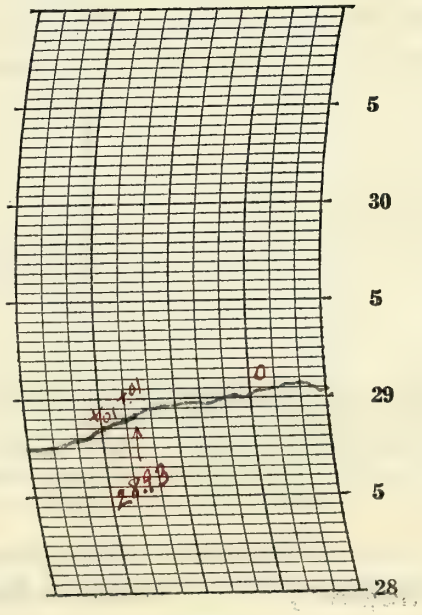
THERMOGRAPH




THERMOGRAPH




BAROGRAPH.




Prepared by R E L

Verified by L. C. S.

8—486

## NOTES

Ceilings very good (about 2,000 ft.) with excellent visibility.

Form No. 1014—Met'1

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Thursday, (Date) MAR 23 1933, 193

Time (local standard) 90 mer. normal time.

| | A.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 | P.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Temperature at end of hour | 30 | 29 | 29 | 28 | 27 | 27 | 28 | 28 | 28 | 28 | 28 | 29 | 28 | 29 | 29 | 29 | 29 | 29 | 30 | 30 | 30 | 31 | 30 | 29 |
| State of weather. Nature of precipitation and time of beginning and ending | | | | | | | | | | | | | s m vry light B 12:45 E 1:30 | | | | | | | | | | | |
| Amounts of precipitation | | | | | | | | | | | | | T | T | | | | | | | | | | |
| Cloudiness and other conditions | | | L | | | | | | | Cloudy | | | | | | | | | | | | → | | ? |
| Sunshine (in tenths of hours) | | | | | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | |
| Wind direction | NE | NE | NE | NE | NE | NE | N | N | N | N | N | N | NW | NW | NW | NW | NW | NW | NW | NW | NW | NW | NW | W |
| Wind movement | 8 | 10 | 9 | 10 | 9 | 7 | 9 | 9 | 10 | 11 | 11 | 12 | 9 | 11 | 11 | 12 | 10 | 7 | 7 | 6 | 6 | 9 | 8 | 9 |
| Maximum velocities (exceeding 24 miles) direction and time | | | | | | | | | | | | | | | | | | | | | | | | |

Sunrise: Time, 5:39 Character, Cloudy. Moonrise:

Sunset: Time, 5:56 Character, Cloudy. Moonset:

Wind data corrected to true velocity.

Excessive precipitation, accumulated amounts

| Total duration. From— | To— | Total amount of precipitation. | Excessive rate. Began— | Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | | | | | |

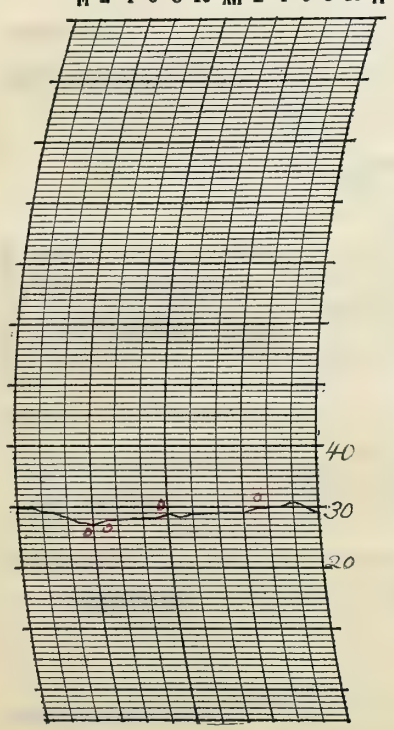
| Maximum Temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 31 | 27 | 29 | |

Total depth of snow for 24 hours ending 7 p. m., T inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, T inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., T ins.
Total precipitation, midnight to midnight, T inches.
Character of day, Cloudy Moon phase,
Average daily cloudiness (0-10), 10
Actual sunshine, hours, 0 Possible sunshine, hours, 12.3
Per cent of possible sunshine, 0
Prevailing wind direction, NW Total wind, 220
Average hourly velocity, 9.2 Extreme velocity, 13
Maximum velocity, 13 Direction, N
Time began, 11:43 a.m.
Reduced barometer, 30.047 a. m. 30.31 7 p. m.
River gage, 12.5 feet
Relative humidity, 72 7 a. m. 70 7 p. m.

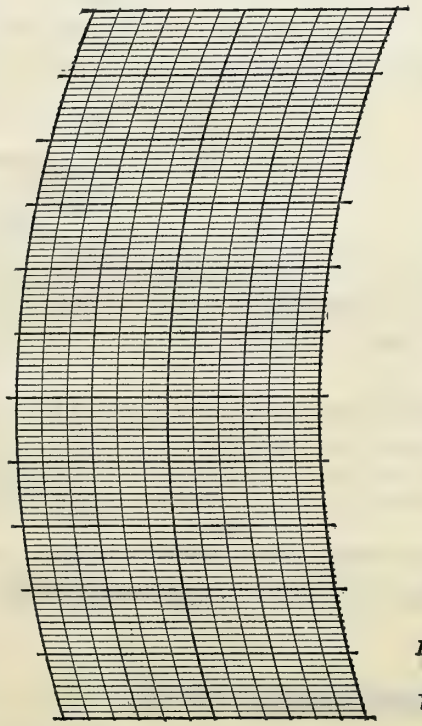
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 28.7 Wet temperature, 26.1
Dew-point, 21 R. humidity, 71 V. pressure, 1.08
Clouds: Amount, 10; Kind, St-Cu; Direction, N
Velocity of clouds (miles per hour)

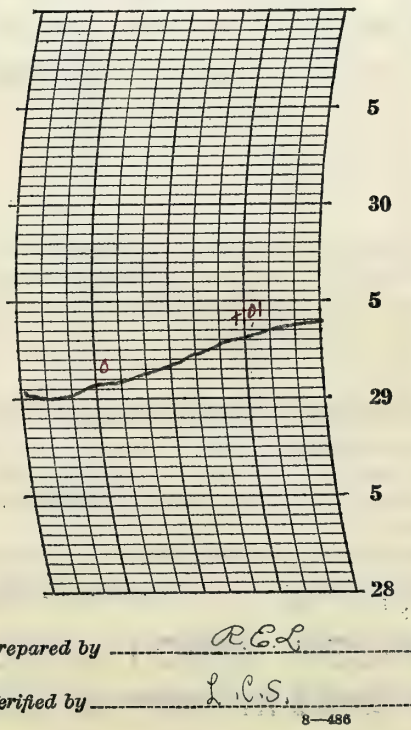
THERMOGRAPH




THERMOGRAPH




BAROGRAPH.




Prepared by R.E.L.

Verified by L.C.S.

8—486

## NOTES

Ceilings above two thousand feet with excellent visibility.

Form No. 1014—Met'1

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Friday, (Date) MAR 24 1933, 193

Time (local standard) 90 mer. normal time.

| | A. M. | | | | | | | | | | | | P. M. | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 | 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 |
| Temperature at end of hour | 30 | 29 | 27 | 26 | 26 | 25 | 26 | 29 | 30 | 32 | 33 | 35 | 36 | 36 | 36 | 36 | 35 | 34 | 34 | 33 | 32 | 32 | 32 | 30 |
| State of weather. Nature of precipitation and time of beginning and ending | | | | | | | | | | | | | | | | | | | | | | | | |
| Amounts of precipitation | | | | | | | | | | | | | | | | | | | | | | | | |
| Cloudiness and other conditions | | | | 7 ← | | Clear | | | | | | Part Cloudy → | Cloudy | | | | | | | | | | | |
| Sunshine (in tenths of hours) | | | | | | .37 0 | 0.5 0.5 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 0.4 | 0 | 0 | 0 | | | | | | |
| Wind direction | W | NW | N | N | N | N | NE | N | NE | NE | NE | NE | NE | E | E | E | E | SE | SE | E | E | E | E | E |
| Wind movement | 8 | 9 | 9 | 6 | 6 | 6 | 7 | 6 | 9 | 8 | 8 | 7 | 9 | 9 | 9 | 9 | 10 | 10 | 8 | 10 | 12 | 12 | 13 | 12 |
| Maximum velocities (exceeding 24 miles) direction and time | | • | | | | | | | | | | | | | | | | | | | | | | |

Sunrise: Time 5:38, Character Clear. Moonrise:

Sunset: Time 5:57, Character Cloudy. Moonset:

Wind data corrected to true velocity.

| Total duration. From— | To— | Total amount of precipitation. | Excessive rate. Began— | Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | | | | | |

Excessive precipitation, accumulated amounts

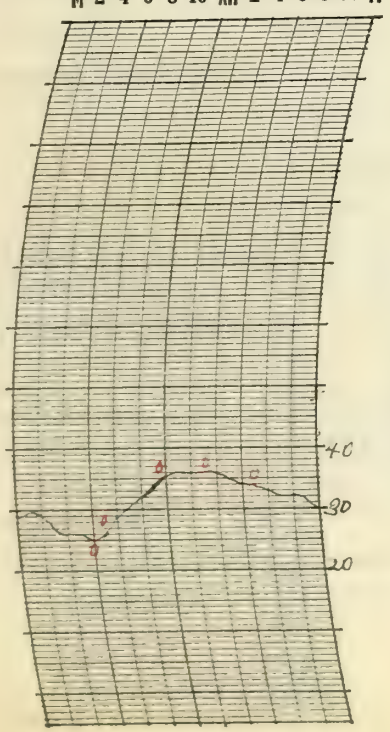
| Maximum Temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 36 | 25 | 30 | |

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Part Cloudy Moon phase,
Average daily cloudiness (0-10), 6
Actual sunshine, hours, 8.8 Possible sunshine, hours, 12.3
Per cent of possible sunshine, 72
Prevailing wind direction, E Total wind, 212
Average hourly velocity, 8.8 Extreme velocity, 15
Maximum velocity, 15 Direction, E
Time began, 9:45 PM
Reduced barometer, 30.46 7 a. m. 30.36 7 p. m.
River gage, 10.7 feet
Relative humidity, 82 7 a. m. 64 7 p. m.

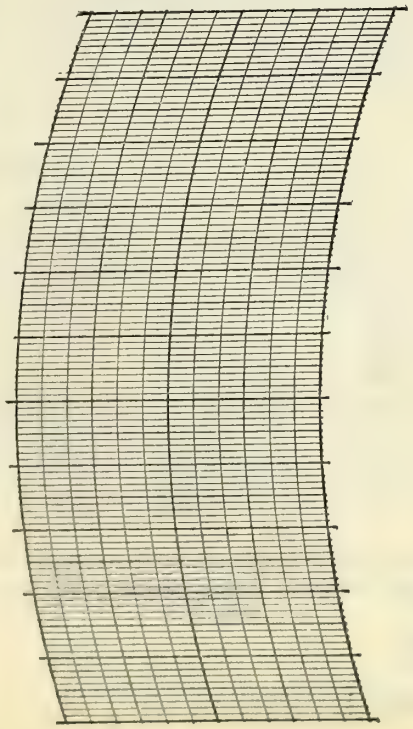
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 35.0 Wet temperature, 30.0
Dew-point, 22 R. humidity, 55 V. pressure, .113
Clouds: Amount, 3; Kind, Ac Cu; Direction, W
Velocity of clouds (miles per hour)

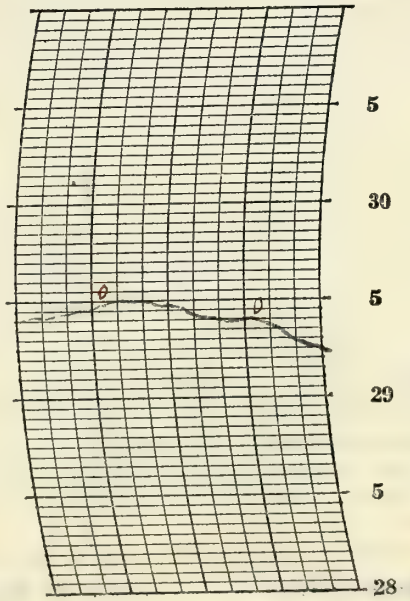
THERMOGRAPH




THERMOGRAPH




BAROGRAPH.




Prepared by R E L

Verified by L. C. S.

8—486

## NOTES

Flying conditions excellent
High Cirrus overcast during
mid-day, lowering in late afternoon.
Solar Halo 11:30 a m & 1:30 p m

Form No. 1014—Met'1

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Saturday, (Date) MAR 25 1933, 193

Time (local standard) 90 mer. normal time.

| | A.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 | P.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Temperature at end of hour | 30 | 30 | 30 | 30 | 31 | 31 | 32 | 32 | 32 | 33 | 34 | 35 | 34 | 34 | 34 | 34 | 34 | 34 | 34 | 34 | 33 | 33 | 33 | 33 |
| State of weather: Nature of precipitation and time of beginning and ending | SM B DNA | | | | | | | | | SM E 9:35 Rain 9:35 | | | | | pmist E 3:00 SM B 3:00P | | | | SM E 6:30 | | | | | |
| State of weather: Amounts of precipitation | Heavy to mod. | | | | | | | | Light | to | very light | | | | | | | | | | | | | |
| State of weather: Cloudiness and other conditions | | | | | | | | Cloudy | all | | day | | | | | | | | | | | | | |
| Sunrise: Time, Character | 5:36 Cloudy | | | | | | | | | | | | | | | | | | | | | | | |
| Moonrise: | | | | | | | | | | | | | | | | | | | | | | | | |
| Sunset: Time, Character | | | | | | | | | | | | | | | | | | | | | 5:58 Cloudy | | | |
| Moonset: | | | | | | | | | | | | | | | | | | | | | | | | |
| Sunshine (in tenths of hours) | | | | | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | |
| Wind direction | E | E | E | E | E | E | SE | SE | SE | SE | SW | SW | W | W | W | W | W | W | NW | NW | NW | NW | NW | NW |
| Wind movement | 11 | 11 | 14 | 15 | 16 | 12 | 11 | 10 | 9 | 7 | 7 | 12 | 18 | 19 | 17 | 18 | 16 | 16 | 18 | 18 | 20 | 19 | 16 | 18 |
| Maximum velocities (exceeding 24 miles) direction and time | | | | | | | | | | | | | | | | | | | | | | | | |

Wind data corrected to true velocity.

| | Total duration. From— | To— | Total amount of precipitation. | Excessive rate. Began— | Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Excessive precipitation, accumulated amounts | | | | | | | | | | | | | | | | | | | | |

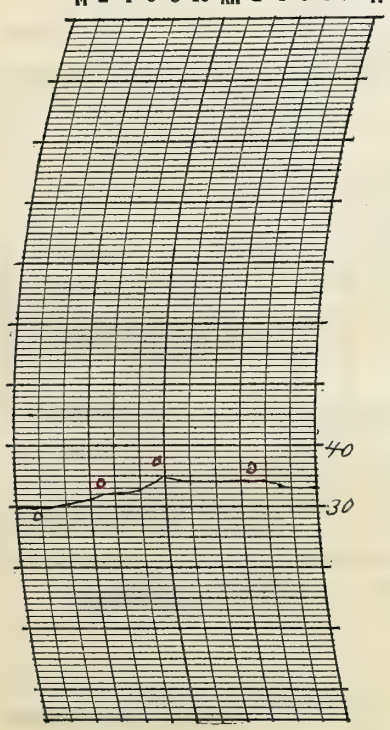
| Maximum Temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 35 | 30 | 32 | |

Total depth of snow for 24 hours ending 7 p. m., 4.2 inches.
Snow, sleet, and hail on ground 7 p. m., 2.8 inches.
Total snowfall, midnight to midnight, 4.2 inches.
Precipitation to 7 a. m., .46 ins.; to 7 p. m., .18 ins.
Total precipitation, midnight to midnight, .64 inches.
Character of day, Cloudy Moon phase,
Average daily cloudiness (0-10), 10
Actual sunshine, hours, 0 Possible sunshine, hours, 12.4
Per cent of possible sunshine, 0
Prevailing wind direction, E, W, NW Total wind, 348
Average hourly velocity, 14.5 Extreme velocity, 24
Maximum velocity, 22 Direction, NW
Time began, 8:08 PM
Reduced barometer, 29.83 7a. m. 29.88 7p. m.
River gage, 8.2 feet
Relative humidity, 100 7a. m. 82 7p. m.

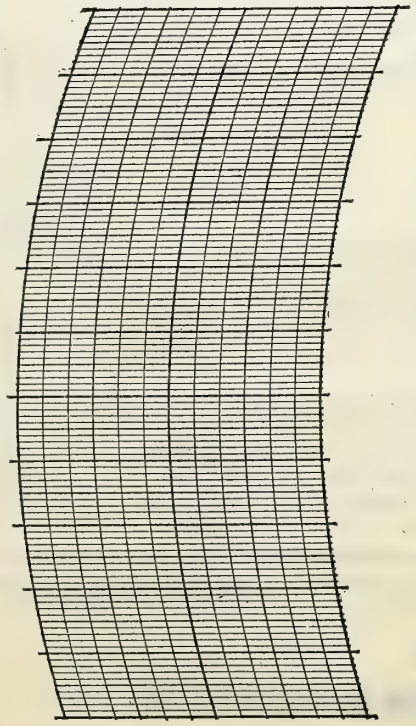
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 35.0 Wet temperature, 35.0
Dew-point, 35 R. humidity, 100 V. pressure, .203
Clouds: Amount, 10; Kind, St; Direction, W
Velocity of clouds (miles per hour)

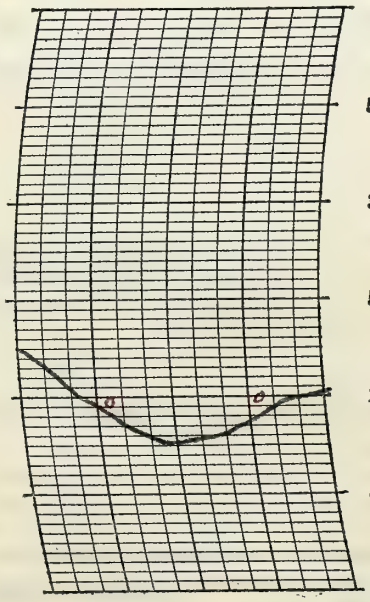
THERMOGRAPH




THERMOGRAPH




BAROGRAPH.




Prepared by R C L

Verified by L. C. S.

8—486

## NOTES

Light snow DNA. to 5:00 P.M.
Bus crashs due to blinding snow 9 mi East of Angola on U.S. 20. Two were killed and 18 injured. (9:30 a.m.)
The snow was too wet to pack on streets or highways. Very slushy condition.
Flying conditions poor

Form No. 1014—Met'1

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(Station) Fort Wayne Ind, (Day of week) Sunday, (Date) MAR 26 1933, 193

| Time (local standard) 90 mer. normal time. | A.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 | P.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Temperature at end of hour | 33 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 33 | 34 | 35 | 36 | 37 | 39 | 39 | 40 | 40 | 38 | 38 | 37 | 36 | 36 | 36 | 35 |
| State of weather. Nature of precipitation and time of beginning and ending | | | SP B DNA? | | SE DNA? | | | | | | | | | | | | | | | | | | | |
| Amounts of precipitation | | | | T | | | | | | | | | | | | | | | | | | | | |
| Cloudiness and other conditions | | | | | Cloudy | | | | | → Clear | | | ← Part Cloudy | | | | | | | | | | | |
| Sunrise: Time, 5:34 Character, Cloudy Moonrise: | | | | | | | | | | | | | Sunset: Time, 5:59 Character, Cloudy Moonset: | | | | | | | | | | | |
| Sunshine (in tenths of hours) | | | | | | 0 | 0 | 0.2 | 0.9 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 0 | | | | | | |
| Wind direction | NW | NW | NW | NW | NW | NW | NW | NW | NW | NW | NW | NW | W | W | W | W | NW | W | NW | NW | NW | NW | NW | NW |
| Wind movement | 16 | 16 | 18 | 16 | 13 | 12 | 12 | 11 | 15 | 12 | 12 | 12 | 13 | 12 | 13 | 13 | 11 | 9 | 5 | 4 | 3 | 5 | 5 | 5 |
| Maximum velocities (exceeding 24 miles) direction and time | | | | | | | | | | | | | | | | | | | | | | | | |

Wind data corrected to true velocity.

| Total duration. From— | To— | Total amount of precipitation. | Excessive rate. Began— | Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | | | | | |

Excessive precipitation, accumulated amounts

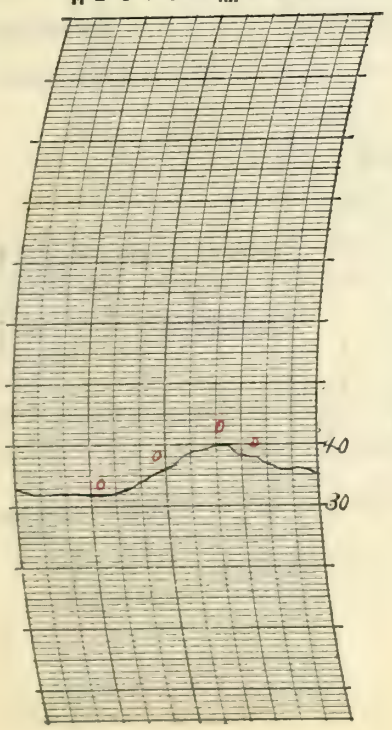
| Maximum Temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 40 | 32 | 36 | |

Total depth of snow for 24 hours ending 7 p. m., T inches.
Snow, sleet, and hail on ground 7 p. m., T inches.
Total snowfall, midnight to midnight, T inches.
Precipitation to 7 a. m., T ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, T inches.
Character of day, Part Cloudy Moon phase,
Average daily cloudiness (0–10), 6
Actual sunshine, hours, 9.1 Possible sunshine, hours, 12.4
Per cent of possible sunshine, 73
Prevailing wind direction, NW Total wind, 263
Average hourly velocity, 11.0 Extreme velocity, 22
Maximum velocity, 21 Direction, NW
Time began, 2:04 a m
Reduced barometer, 30.17 7 a. m. 30.24 7 p. m.
River gage, 6.4 feet
Relative humidity, 80 7 a. m. 67 7 p. m.

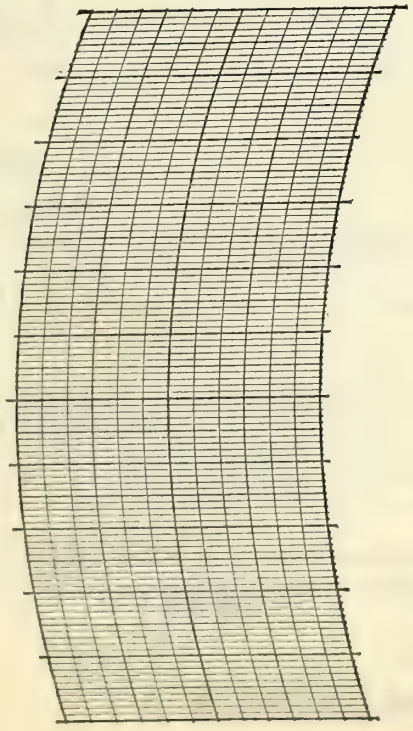
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 36.3 Wet temperature, 32.0
Dew-point, 26 R. humidity, 63 V. pressure, 1.36
Clouds: Amount, 1; Kind, Ac; Direction, W
Velocity of clouds (miles per hour)

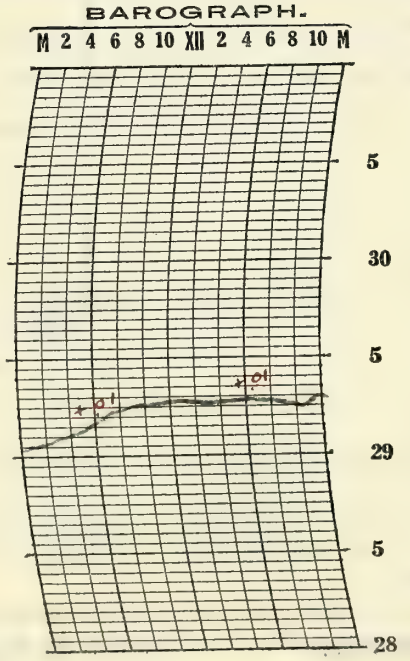
THERMOGRAPH




THERMOGRAPH




BAROGRAPH.




Prepared by R. E. L.

Verified by L. C. S.

8—486

## NOTES

Flying conditions excellent but field condition was very wet and soft. Runways O.K.

Form No. 1014—Met'l

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Monday, (Date) MAR 27 1933, 193

Time (local standard) 90 mer. normal time.

| | A.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 | P.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Temperature at end of hour (35) | 36 | 36 | 36 | 36 | 36 | 36 | 36 | 36 | 38 | 42 | 46 | 49 | 52 | 53 | 52 | 52 | 52 | 47 | 46 | 40 | 36 | 33 | 32 | 32 |
| State of weather. Nature of precipitation and time of beginning and ending | | | | | | | | $R_B$ 7.50 $R_E$ 7.55 | | | | | | | | | | | | | | | | |
| Amounts of precipitation | | | | | | | | T | | | | | | | | | | | | | | | | |
| Cloudiness and other conditions | | | | | | | Cloudy | | | | Part'y Cldy | Clear | × Cloudy | | | | | + Clear | | | | | | |
| Sunshine (in tenths of hours) | | | | | | 0 | 0 | 0 | 0 | 0.2 | 0.6 | 1.0 | 1.0 | 0.9 | 0.3 | 0 | 0 | 0 | | | | | | |
| Wind direction | NW | NW | S | S | S | S | S | S | S | S | S | S | SW | SW | W | W | NW | NW | NW | NW | NW | NW | NW | NW |
| Wind movement | 4 | 7 | 7 | 8 | 9 | 7 | 9 | 9 | 8 | 9 | 12 | 12 | 12 | 12 | 11 | 10 | 10 | 12 | 12 | 12 | 10 | 12 | 10 | 9 |
| Maximum velocities (exceeding 24 miles) direction and time | | | | | | | | | | | | | | | | | | | | | | | | |

Sunrise: Time, 5:33 Character, Cloudy. Moonrise: ____ ____

Sunset: Time, 6:00 Character, Cloudy. Moonset: ____ ____

Wind data corrected to true velocity.

| Total duration. From— | To— | Total amount of precipitation. | Excessive rate. Began— | Ended— | Amount before excessive began. |
|---|---|---|---|---|---|
| | | | | | |

Accumulated depths during excessive rate, for consecutive periods of time indicated below.

| 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | |

Excessive precipitation, accumulated amounts

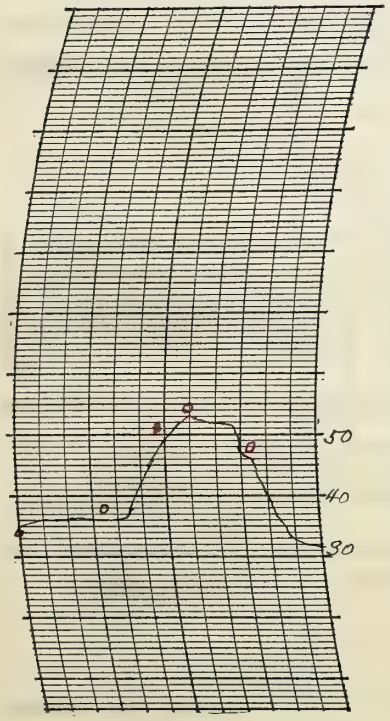
| Maximum Temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 53 | 32 | 42 | |

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., T inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., T ins.
Total precipitation, midnight to midnight, T inches.
Character of day, Cloudy Moon phase, ____
Average daily cloudiness (0-10), 9
Actual sunshine, hours, 4.0 Possible sunshine, hours, 12.4
Per cent of possible sunshine, 32
Prevailing wind direction, S, NW Total wind, 233
Average hourly velocity, 9.7 Extreme velocity, 15
Maximum velocity, 15 Direction, NW
Time began, 5:25 P.M.
Reduced barometer, 30.17 7 a. m. 30.14 7 p. m.
River gage, 8.9 feet
Relative humidity, 82 7 a. m. 69 7 p. m.

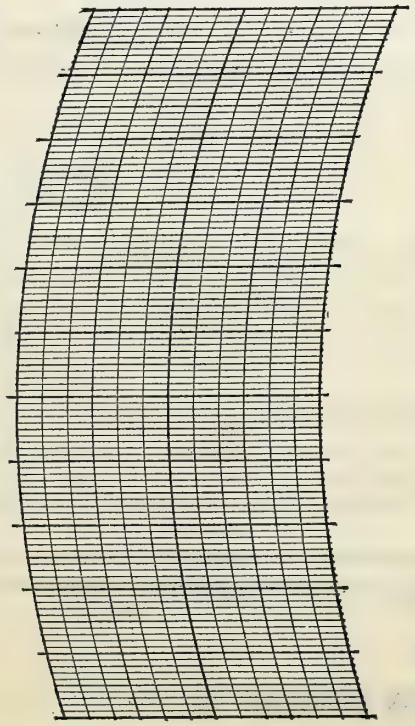
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 49.0 Wet temperature, 42.1
Dew-point, 34 R. humidity, 56 V. pressure, 195
Clouds: Amount, 4; Kind, Alto; Direction, W
Velocity of clouds (miles per hour) ____

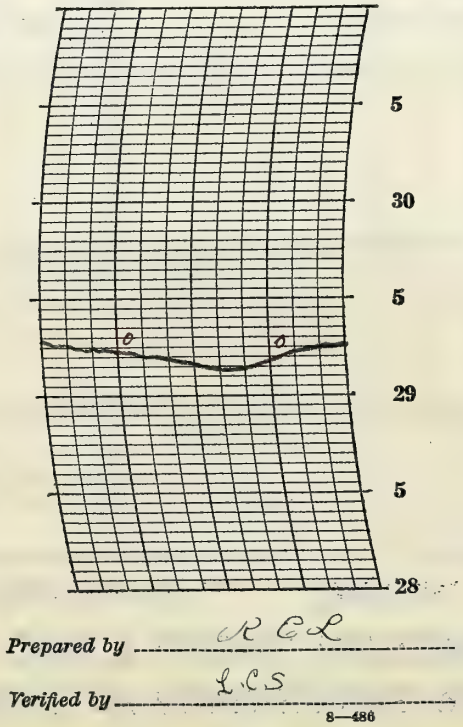
THERMOGRAPH




THERMOGRAPH




BAROGRAPH.




Prepared by R C L

Verified by L C S

8—486

## NOTES

Flying conditions very good, but field still soft. Pilots advised to use Runways.

Form No. 1014—Met'1

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(Station) Fort Wayne. Ind., (Day of week) Tuesday, (Date) MAR 28 1933, 193

Time (local standard) 90 mer. normal time.

| | A.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 | P.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Temperature at end of hour | 31 | 30 | 30 | 30 | 30 | 29 | 31 | 34 | 35 | 38 | 40 | 41 | 43 | 45 | 44 | 43 | 41 | 39 | 38 | 36 | 35 | 33 | 32 | 31 |
| State of weather. Nature of precipitation and time of beginning and ending | | | | | | | | | | | | | | | | | | | | | | | | |
| Amounts of precipitation | | | | | | | | | | | | | | | | | | | | | | | | |
| Cloudiness and other conditions | | | | | | | Clear | | | | × | | Part Cloudy | | | | | | | | × | Clear | | |
| Sunshine (in tenths of hours) | | | | | | .4 0 | 0.5 0.5 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 0.5 | 0 | 0 | | | | | |
| Wind direction | NW | NW | NW | NW | NW | NW | NW | NW | NW | NW | NW | NW | NW | NW | NW | NW | NW | NW | NW | NW | NW | N | N | NW |
| Wind movement | 9 | 6 | 7 | 7 | 7 | 6 | 9 | 9 | 12 | 12 | 14 | 12 | 14 | 13 | 13 | 15 | 13 | 11 | 9 | 8 | 7 | 7 | 7 | 7 |
| Maximum velocities (exceeding 24 miles) direction and time | | | | | | | | | | | | | | | | | | | | | | | | |

Sunrise: Time, 5:31 Character, Clear

Moonrise: ---

Sunset: Time, 6:01 Character, Cloudy

Moonset: ---

Wind data corrected to true velocity.

| Total duration. From— | To— | Total amount of precipitation. | Excessive rate. Began— | Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | | | | | |

Excessive precipitation, accumulated amounts

| Maximum Temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 45 | 29 | 37 | |

Total depth of snow for 24 hours ending 7 p. m., 0 inches.

Snow, sleet, and hail on ground 7 p. m., 0 inches.

Total snowfall, midnight to midnight, 0 inches.

Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.

Total precipitation, midnight to midnight, 0 inches.

Character of day, Part Cloudy Moon phase, ---

Average daily cloudiness (0–10), 4

Actual sunshine, hours, 11.0 Possible sunshine, hours, 12.5

Per cent of possible sunshine, 88

Prevailing wind direction, NW Total wind, 234

Average hourly velocity, 9.8 Extreme velocity, 17

Maximum velocity, 17 Direction, NW

Time began, 10:43 a.m.

Reduced barometer, 30.27 7 a. m. 30.27 7 p. m.

River gage, 9.6 feet

Relative humidity, 81 7 a. m. 62 7 p. m.

OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

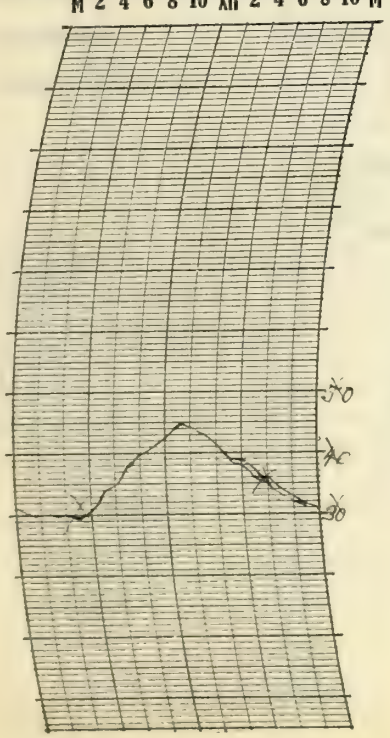
Dry temperature, 41.0 Wet temperature, 33.8

Dew-point, 23 R. humidity, 45 V. pressure, 1118

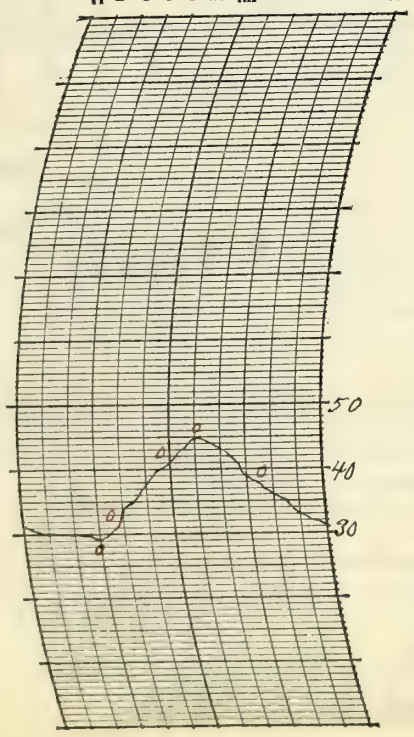
Clouds: Amount, 4; Kind, Cu Cu; Direction, N

Velocity of clouds (miles per hour)---

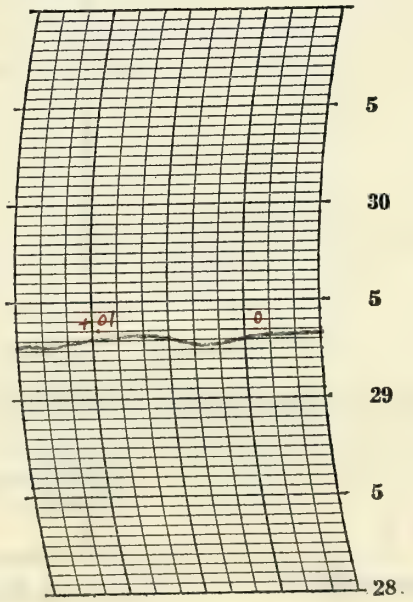
THERMOGRAPH




THERMOGRAPH




BAROGRAPH.




Prepared by R E L

Verified by L. C. S.

8—486

## NOTES

Fair lying conditions; excellent. Soft spots in loading field marked with red flags.

Form No. 1014—Met'1

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(Station) Fort Wayne. Ind., (Day of week) Wednesday, (Date) MAR 29 1933, 193

Time (local standard) 90 mer. normal time.

| | A.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 | P.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Temperature at end of hour | 31 | 30 | 30 | 29 | 28 | 30 | 32 | 35 | 37 | 40 | 42 | 45 | 46 | 48 | 49 | 49 | 50 | 49 | 46 | 46 | 45 | 44 | 43 | 42 |
| State of weather. Nature of precipitation and time of beginning and ending | | | | | | | | | | | | | | | | | | | | | | | | |
| Amounts of precipitation | | | | | | | | | | | | | | | | | | | | | | | | |
| Cloudiness and other conditions | | | | Part Cloudy | × | clear | | | | | | | × Part Cloudy very thin | | | | | | | | × Clear | | | |
| Sunshine (in tenths of hours) | | | | | | .52 0 | 0.4 .06 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 0.6 | 0 | 0 | | | | | |
| Wind direction | NW | NW | N | N | NE | NE | E | E | E | SE | SE | SE | SE | SE | SE | SE | SE | E | E | E | E | E | E | E |
| Wind movement | 6 | 5 | 6 | 5 | 6 | 5 | 5 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 12 | 11 | 9 | 9 | 9 | 9 | 9 | 9 | 10 | 9 |
| Maximum velocities (exceeding 24 miles) direction and time | | | | | | | | | | | | | | | | | | | | | | | | |

Sunrise: Time, 5:29 Character, Clear. Moonrise:

Sunset: Time, 6:02 Character, Cloudy. Moonset:

Wind data corrected to true velocity.

| Total duration. From— | To— | Total amount of precipitation. | Excessive rate. Began— | Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | | | | | |

Excessive precipitation, accumulated amounts

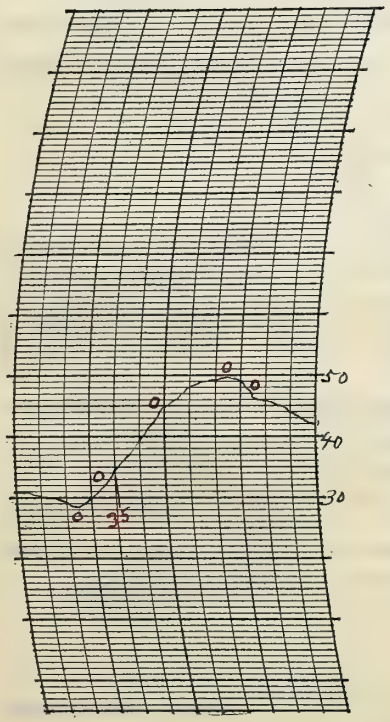
| Maximum Temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 50 | 28 | 39 | |

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day Part Cloudy Moon phase,
Average daily cloudiness (0-10), 4
Actual sunshine, hours, 11.1 Possible sunshine, hours, 12.6
Per cent of possible sunshine, 88
Prevailing wind direction, E Total wind, 196
Average hourly velocity, 8.1 Extreme velocity, 14
Maximum velocity, 14 Direction, S
Time began, 3:53 P.M.
Reduced barometer, 30.367 a. m. 30.247 p. m.
River gage, 8.1 feet
Relative humidity, 74 7 a. m. 54 7 p. m.

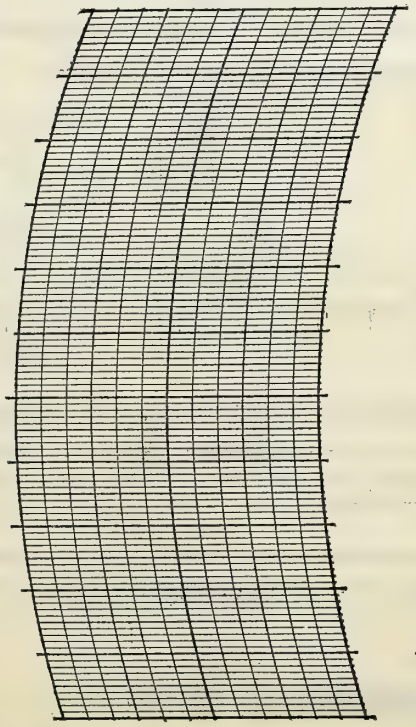
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 45.0 Wet temperature, 37.2
Dew-point, 26 R. humidity, 46 V. pressure, 1.36
Clouds: Amount, 1; Kind, Cirr.; Direction, W
Velocity of clouds (miles per hour)

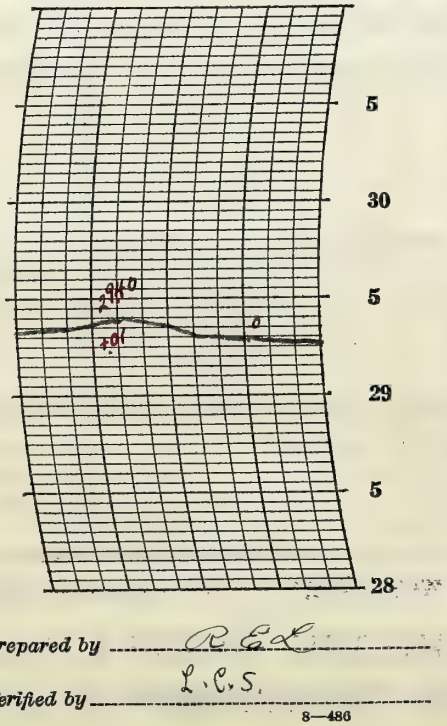
THERMOGRAPH




THERMOGRAPH




BAROGRAPH.




Prepared by R & L

Verified by L.C.S.

8—486

## NOTES

Flying conditions excellent

Form No. 1014—Met'1

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Thursday, (Date) MAR 30 1933, 193

Time (local standard) 90 mer. normal time.

| | A.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 | P.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Temperature at end of hour | 41 | 39 | 38 | 38 | 39 | 41 | 42 | 42 | 44 | 44 | 44 | 46 | 48 | 47 | 47 | 48 | 49 | 51 | 52 | 52 | 52 | 51 | 50 | 51 |
| State of weather. Nature of precipitation and time of beginning and ending | | | | | | | Rb 6:20 E 6:25 Rb 6:55 | | | | | RE 11:44 | Rb 12:45 | | | RE 3:15 | | | | | | | | |
| Amounts of precipitation | | | | | | | T | | | | | | | | | | | | | | | | | |
| Cloudiness and other conditions | | | | | | | Cloudy | | | | | | | | | | | | | | | | | |
| Sunrise: Time, 5:28 Character, Cloudy. Moonrise: | | | | | | | | | | | | | | | | | | | | | Sunset: Time, 6:03 Character, Cloudy. Moonset: | | | |
| Sunshine (in tenths of hours) | | | | | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | |
| Wind direction | E | E | E | E | SE | S | S | S | SE | SE | SE | SE | SE | SE | SE | SE | SE | SE | SE | SE | SE | SE | SE | SE |
| Wind movement | 9 | 11 | 9 | 11 | 11 | 12 | 13 | 12 | 12 | 14 | 14 | 13 | 10 | 10 | 9 | 10 | 9 | 11 | 12 | 9 | 11 | 10 | 9 | 10 |
| Maximum velocities (exceeding 24 miles) direction and time | | | | | | | | | | | | | | | | | | | | | | | | |

Wind data corrected to true velocity.

| Total duration. From— | To— | Total amount of precipitation. | Excessive rate. Began— | Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | | | | | |

Excessive precipitation, accumulated amounts

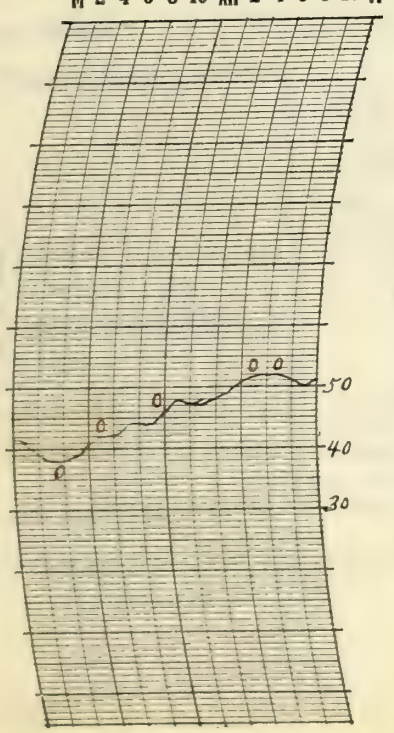
| Maximum Temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 52 | 38 | 45 | |

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., T ins.; to 7 p. m., .20 ins.
Total precipitation, midnight to midnight, .20 inches.
Character of day, Cloudy. Moon phase,
Average daily cloudiness (0–10), 10
Actual sunshine, hours, 0 Possible sunshine, hours, 12.6
Per cent of possible sunshine, 0
Prevailing wind direction, SE Total wind, 261
Average hourly velocity, 10.9 Extreme velocity, 16
Maximum velocity, 15 Direction, SE
Time began, 10:14 A. M.
Reduced barometer, 30.14 7 a. m. 29.96 7 p. m.
River gage, 7.1 feet
Relative humidity, 50 7 a. m. 84 7 p. m.

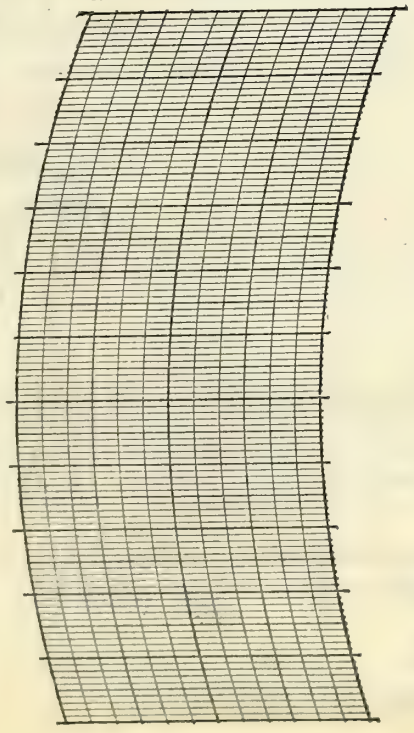
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 46.3 Wet temperature, 43.0
Dew-point, 40 R. humidity, 77 V. pressure, .247
Clouds: Amount, 7; Kind, Strat-cu; Direction, S
Velocity of clouds (miles per hour)

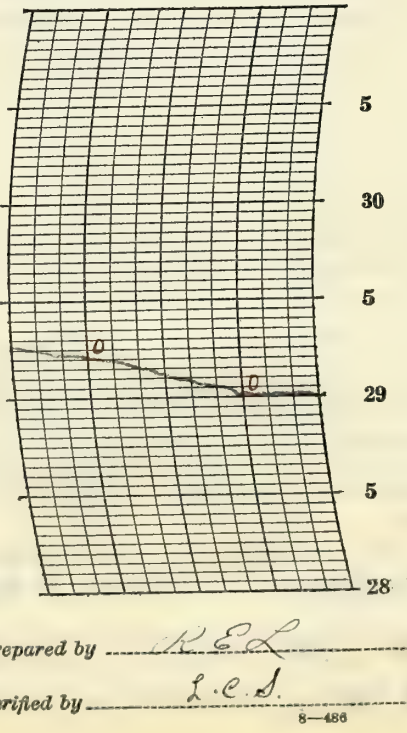
THERMOGRAPH




THERMOGRAPH




BAROGRAPH.




Prepared by K E L

Verified by L. C. S.

8—486

## NOTES

Flying conditions fair. Visibility two to three miles.

Form No. 1014—Met'l

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Friday, (Date) MAR 31 1933, 193

Time (local standard) 90 mer. normal time.

| | A.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 | P.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Temperature at end of hour | 51 | 52 | 52 | 52 | 52 | 53 | 54 | 54 | 56 | 57 | 58 | 60 | 60 | 60 | 59 | 60 | 60 | 59 | 58 | 59 | 58 | 58 | 57 | 56 |
| State of weather. Nature of precipitation and time of beginning and ending | | | | | RB DNA | | | | RE 8:45 | | RB 10:35 | | | | | RE 325 | RB 4:10 RE 500 | | | RB 7:20 | | | | R cont'd |
| Amounts of precipitation | | | | | T | .06 | .09 | .01 | T | | T | T | T | T | .01 | T | .03 | | | .01 | .05 | .04 | .06 | .03 |
| Cloudiness and other conditions | | | | | | | | | | | Cloudy | | | | | | | | | | | | | |
| Sunrise: Time, 5:26 Character, Cloudy. Moonrise: | | | | | | | | | | | | | | | | | | | | | Sunset: Time, 6:04 Character, Cloudy. Moonset: | | | |
| Sunshine (in tenths of hours) | | | | | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | |
| Wind direction | SE | SE | S | SE | SE | SE | SE | S | SW | S | S | S | SW | SW | SW | SW | SW | SW | SE | SE | S | S | S | S |
| Wind movement | 11 | 12 | 12 | 12 | 10 | 10 | 11 | 13 | 12 | 13 | 15 | 13 | 11 | 9 | 9 | 7 | 4 | 5 | 7 | 7 | 9 | 8 | 10 | 10 |
| Maximum velocities (exceeding 24 miles) direction and time | | | | | | | | | | | | | | | | | | | | | | | | |

Wind data corrected to true velocity.

| Total duration. From— | To— | Total amount of precipitation. | Excessive rate. Began— | Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | | | | | |

Excessive precipitation, accumulated amounts

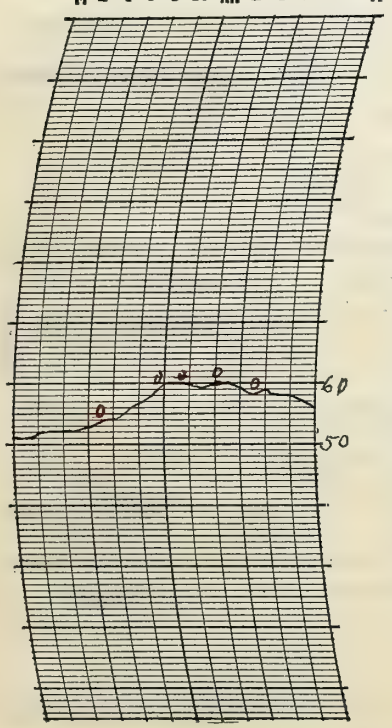
| Maximum Temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 60 | 51 | 56 | |

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., .13 ins.; to 7 p. m., .07 ins.
Total precipitation, midnight to midnight, .39 inches.
Character of day, Cloudy. Moon phase,
Average daily cloudiness (0-10), 10
Actual sunshine, hours, 0 Possible sunshine, hours, 12.6
Per cent of possible sunshine, 0
Prevailing wind direction, S ~~E~~ Total wind, 240
Average hourly velocity, 10 Extreme velocity, 17
Maximum velocity, 16 Direction, S
Time began, 10:27 a.m.
Reduced barometer, 29.76 7 a. m. 29.61 7 p. m.
River gage, 6.9 feet
Relative humidity, 96 7 a. m. 92 7 p. m.

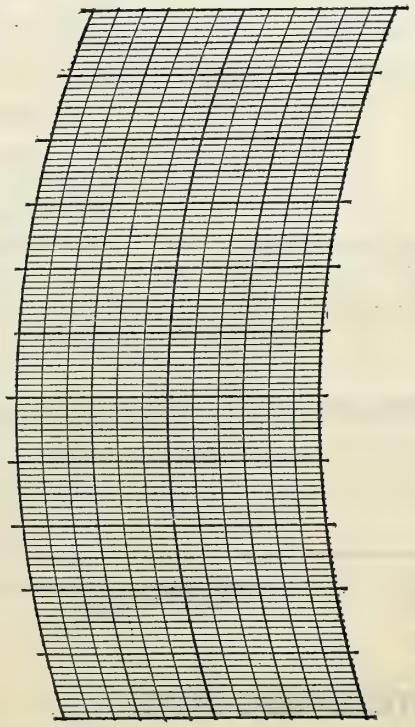
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 59.8 Wet temperature, 57.2
Dew-point, 56 R. humidity, 86 V. pressure, 44.8
Clouds: Amount, 10; Kind, St-Cu; Direction, S
Velocity of clouds (miles per hour)

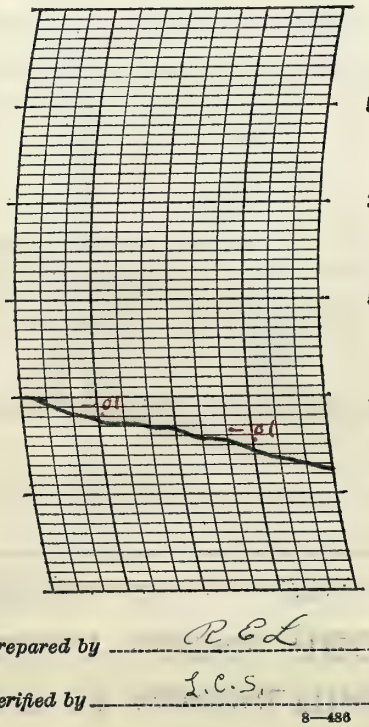
THERMOGRAPH




THERMOGRAPH




BAROGRAPH.




Prepared by R E L

Verified by I. C. S.

8—486

## NOTES

Conditions mostly unfavorable for flying. Visibility one to three miles with rather low ceilings and misting rain.

Form No. 1014—Met'1

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Saturday, (Date) APR 1 1933, 193

Time (local standard) 90 mer. normal time.

| | A.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 | P.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Temperature at end of hour | 56 | 55 | 54 | 54 | 53 | 49 | 43 | 41 | 40 | 41 | 44 | 44 | 45 | 45 | 44 | 45 | 45 | 44 | 44 | 44 | 44 | 44 | 45 | 44 |
| State of weather. Nature of precipitation and time of beginning and ending | Rain | | | | | | | | RE 8.30 | | | | | | | | | | | | | | | |
| Amounts of precipitation | .11 | .02 | .01 | .13 | .01 | T | .03 | .01 | T | | | | | | | | | | | | | | | |
| Cloudiness and other conditions | ← | | | | | | | | | | | Cloudy | → | | | | | | | | | | | |
| Sunshine (in tenths of hours) | | | | | | 0 | 0 | 0 | 0 | 0 | 0 | 0.3 | 0.4 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | |
| Wind direction | S | SE | S | W | W | W | W | W | W | W | W | W | W | W | W | W | W | W | W | W | W | SW | SW | SW |
| Wind movement | 11 | 10 | 9 | 8 | 6 | 12 | 13 | 15 | 15 | 13 | 15 | 18 | 18 | 17 | 18 | 15 | 13 | 12 | 9 | 8 | 7 | 6 | 6 | 8 |
| Maximum velocities (exceeding 24 miles) direction and time | | | | | | | | | | | | | | | | | | | | | | | | |

Sunrise: Time, 5.24 Character, Cloudy. Moonrise: ---- ----

Sunset: Time, 6:06 Character, Cloudy. Moonset: ---- ----

Wind data corrected to true velocity.

| Excessive precipitation, accumulated amounts | Total duration. From— | To— | Total amount of precipitation. | Excessive rate. Began— | Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | | | | | | |

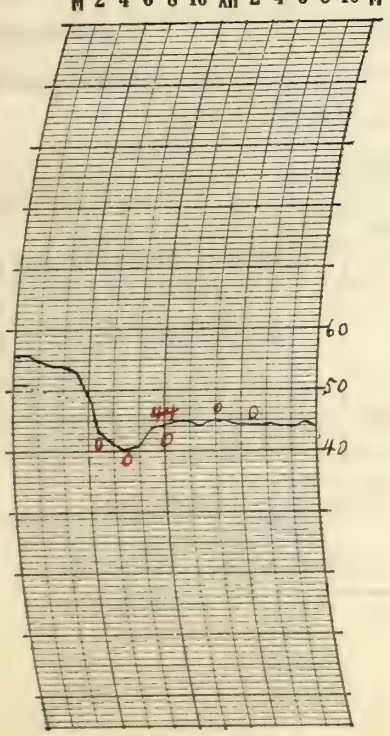
| Maximum Temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 56 | 40 | 48 | |

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., .50 ins.; to 7 p. m., .01 ins.
Total precipitation, midnight to midnight, .32 inches.
Character of day, Cloudy Moon phase, ----
Average daily cloudiness (0-10), 10
Actual sunshine, hours, 0.7 Possible sunshine, hours, 12.7
Per cent of possible sunshine, 6
Prevailing wind direction, W Total wind, 282
Average hourly velocity, 11.8 Extreme velocity, 23
Maximum velocity, 22 Direction, W
Time began, 12:24 P.M.
Reduced barometer, 29.58 7 a. m. 29.84 7 p. m.
River gage, 10.6 feet
Relative humidity, 98 7 a. m. 94 7 p. m.

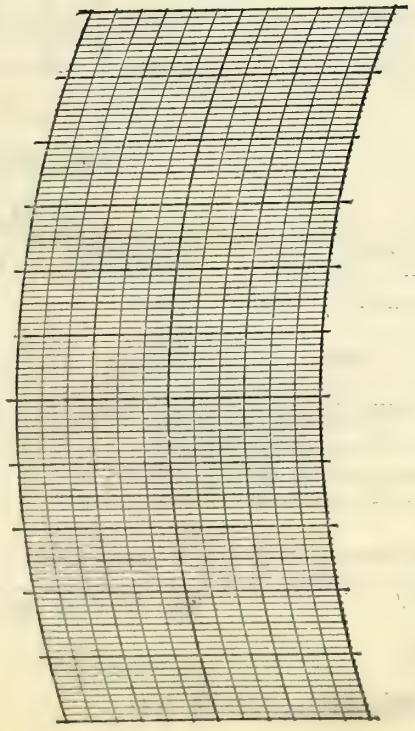
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 42.7 Wet temperature, 42.2
Dew-point, 41 R. humidity, 89 V. pressure, 256
Clouds: Amount, 10; Kind, St Cu; Direction, NW
Velocity of clouds (miles per hour)

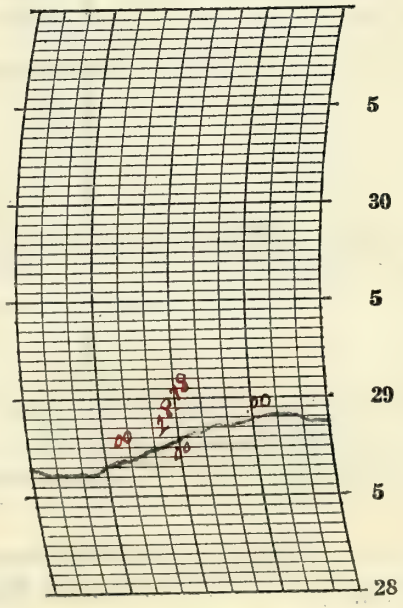
THERMOGRAPH




THERMOGRAPH




BAROGRAPH.




Prepared by REL

Verified by L.C.S.

8—486

## NOTES

Visibility three to five miles with ceilings five to eight hundred feet. Ground wet and soft.

Form No. 1014—Met'l

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Sunday, (Date) APR 2 1933, 193

Time (local standard) 90 mer. normal time.

| | A.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 | P.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Temperature at end of hour 44 | 45 | 44 | 44 | 44 | 44 | 43 | 44 | 44 | 43 | 46 | 48 | 50 | 53 | 51 | 51 | 51 | 51 | 48 | 46 | 46 | 45 | 44 | 43 | 42 |
| State of weather: Nature of precipitation and time of beginning and ending | | | | | RB DNA | | | | RE 8.05 | | | | | | | | | | RB12 RE 6.25 | | | | RB DN? | RE DN? |
| State of weather: Amounts of precipitation | | | | | T | .04 | .04 | .01 | T | | | | | | | | | | .01 | | | | T? | |
| State of weather: Cloudiness and other conditions | | ← | | light | Fog | ← | → | | Cloudy | | | | Part Cloudy | | | | Cloudy | | | Part cloudy | | | | |
| Sunshine (in tenths of hours) | | | | | | 0 | 0 | 0 | 0.4 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 0.8 | 0.9 | 0.9 | 0.1 | 0 | | | | | |
| Wind direction | W | SW | SW | SW | W | W | W | W | W | W | W | W | W | W | W | W | W | W | W | W | W | SW | SW | SW |
| Wind movement | 8 | 7 | 6 | 7 | 7 | 6 | 8 | 12 | 13 | 14 | 17 | 18 | 18 | 18 | 22 | 21 | 22 | 16 | 12 | 10 | 9 | 7 | 7 | 7 |
| Maximum velocities (exceeding 24 miles) direction and time | | | | | | | | | | | | | | | | | | | | | | | | |

Sunrise: Time, 5:23 Character, Cloudy. Moonrise: ____ ____

Sunset: Time, 6:07 Character, Cloudy. Moonset: ____ ____

Wind data corrected to true velocity.

| Excessive precipitation, accumulated amounts | Total duration. From— | To— | Total amount of precipitation. | Excessive rate. Began— | Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | | | | | | |

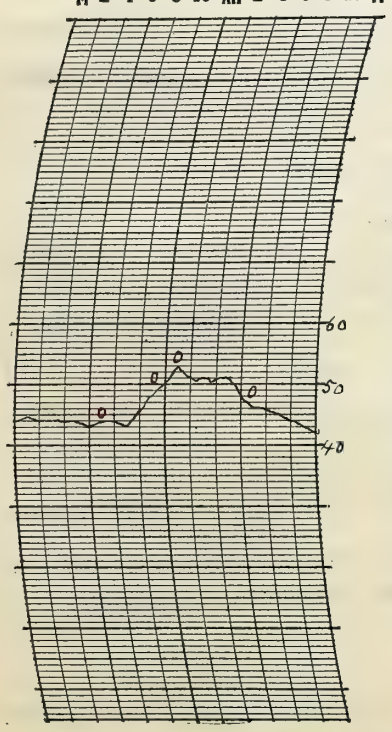
| Maximum Temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 53 | 42 | 48 | |

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., .07 ins.; to 7 p. m., .03 ins.
Total precipitation, midnight to midnight, .10 inches.
Character of day, Cloudy Moon phase, ____
Average daily cloudiness (0-10), 8
Actual sunshine, hours, 8.1 Possible sunshine, hours, 12.7
Per cent of possible sunshine, 64
Prevailing wind direction, W Total wind, 292
Average hourly velocity, 12.2 Extreme velocity, 28
Maximum velocity, 26 Direction, W
Time began, 4:15 P.M.
Reduced barometer, 29.72 7 a. m. 29.72 7 p. m.
River gage, 9.9 feet
Relative humidity, 99 7 a. m. 71 7 p. m.

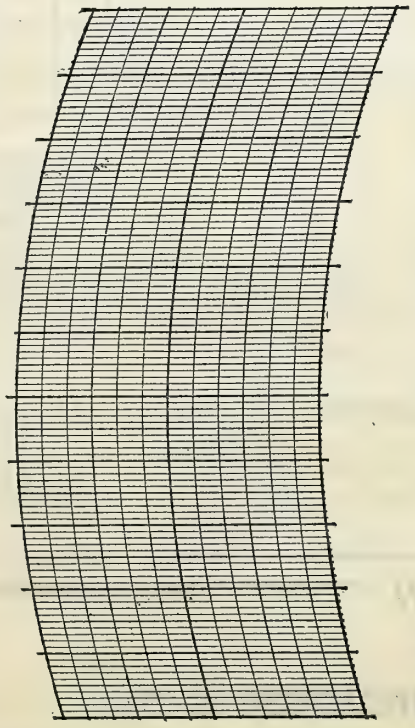
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 50.0 Wet temperature, 45.0
Dew-point, 40 R. humidity, 68 V. pressure, 2.47
Clouds: Amount, 7; Kind, Cu; Direction, W
Velocity of clouds (miles per hour) ____

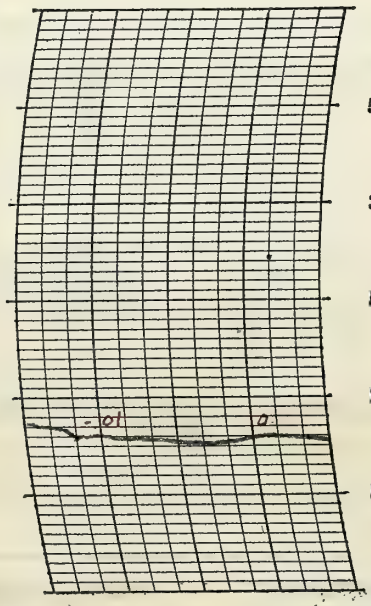
THERMOGRAPH




THERMOGRAPH




BAROGRAPH.




Prepared by R E L

Verified by L.C.S.

8—486

## NOTES

Light fog and rain reduced visibility to one mile in early morning. Clearing weather with excellent visibility came in from the West about 8:00 a.m. Wind mostly gusty.

Form No. 1014—Met'1

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Monday, (Date) APR 3 1933, 193

Time (local standard) 90 mer. normal time.

| | A.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 | P.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Temperature at end of hour | 41 | 40 | 41 | 42 | 42 | 41 | 41 | 42 | 43 | 44 | 46 | 47 | 48 | 49 | 47 | 46 | 44 | 43 | 42 | 40 | 40 | 40 | 40 | 39 |
| State of weather. Nature of precipitation and time of beginning and ending | | | | | | | | | | | R 10:45 | RSm E 11:50 | R 12:55 | R E 1:05 | | R 3:15 | | | | | | | | |
| | | | | | | | | | | | | | | R 1:35 1:40 | | 3:20 | | | | | | | | |
| Amounts of precipitation | | | | | | | | | | | T | T | T | T | | T | | | | | | | | |
| Cloudiness and other conditions | | | | | | | Cloudy | | | | | | × Part cloudy and cloudy intermittently | | | × Cloudy | | | | | | | | |
| Sunshine (in tenths of hours) | | | | | | 0 | 0 | 0.2 | 0.4 | 0.7 | 0.8 | 1.0 | 1.0 | 0.9 | 0.7 | 0 | 0 | 0 | 0 | | | | | |
| Wind direction | SW | SW | SW | SW | SW | SW | SW | SW | W | W | W | W | W | W | W | NW | NW | NW | NW | NW | W | W | W | W |
| Wind movement | 8 | 8 | 8 | 8 | 8 | 6 | 8 | 10 | 11 | 11 | 12 | 15 | 15 | 16 | 16 | 14 | 12 | 12 | 12 | 10 | 9 | 7 | 6 | 8 |

Sunrise: Time, 5:21 Character, Cloudy. Moonrise: ____ ____

Sunset: Time, 6:08 Character, Cloudy. Moonset: ____ ____

Maximum velocities (exceeding 24 miles) direction and time ____

Wind data corrected to true velocity.

| Total duration. From— | To— | Total amount of precipitation. | Excessive rate. Began— | Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | | | | | |

Excessive precipitation, accumulated amounts ____

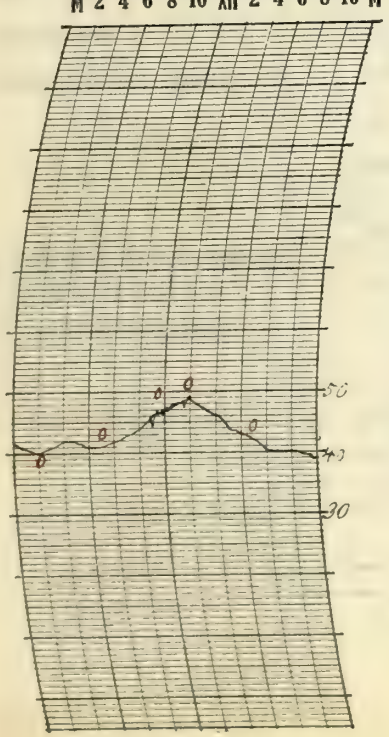
| Maximum Temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 49 | 39 | 44 | |

Total depth of snow for 24 hours ending 7 p. m., T inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, T inches.
Precipitation to 7 a. m., T ins.; to 7 p. m., T ins.
Total precipitation, midnight to midnight, T inches.
Character of day, Cloudy. Moon phase, ____
Average daily cloudiness (0-10), 9
Actual sunshine, hours, 5.7 Possible sunshine, hours, 12.8
Per cent of possible sunshine, 45
Prevailing wind direction, W Total wind, 250
Average hourly velocity, 10.4 Extreme velocity, 22
Maximum velocity, 20 Direction, W
Time began, 2:03 P.M.
Reduced barometer, 29.66 7a. m. 29.70 7p. m.
River gage, 10.2 feet
Relative humidity, 80 7a. m. 68 7p. m.

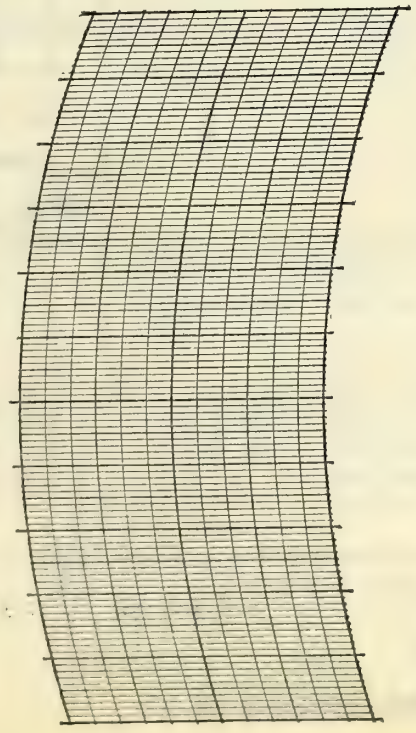
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 47.0 Wet temperature, 41.0
Dew-point, 34 R. humidity, 60 V. pressure, .195
Clouds: Amount, 5; Kind, Cu; Direction, W
Velocity of clouds (miles per hour) ____

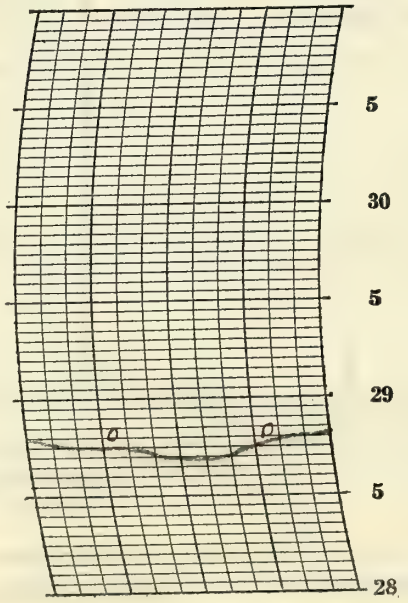
THERMOGRAPH




THERMOGRAPH




BAROGRAPH.




Prepared by R. E. L.

Verified by L. C. S.

8—486

## NOTES

Ceilings variable. Visibility excellent except during intermittent light sprinkles.

Form No. 1014—Met'1

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

# DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Tuesday, (Date) APR 4 1933, 193

Time (local standard) 90 mer. normal time.

| | A.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 | P.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Temperature at end of hour (39) | 36 | 37 | 38 | 38 | 36 | 36 | 36 | 39 | 42 | 44 | 46 | 46 | 49 | 47 | 48 | 48 | 48 | 48 | 48 | 47 | 46 | 46 | 46 | 45 |
| State of weather: Nature of precipitation and time of beginning and ending | | | RB DNA | | RE DNA | | | | | | | | | | | | | | | | | | | |
| Amounts of precipitation | | | ? | ? | .01 | | | | | | | | | | | | | | | | | | | |
| Cloudiness and other conditions | | | | | | Clear → | | | | Part Cloudy → | | | Cloudy → | | | | | | | | | | | |
| Sunrise: Time, 5:19 Character, Clear. Moonrise: | | | | | | | | | | | | | | | | | | | | | Sunset: Time, 6:09 Character, Cloudy. Moonset: | | | |
| Sunshine (in tenths of hours) | | | | | | .68 0 | 0.5 0.5 | 1.0 | 1.0 | 1.0 | 1.0 | 0.9 | 1.0 | 0.7 | 0.4 | 0.7 | 0.5 | 0 | 0 | | | | | |
| Wind direction | NW | NW | NW | NW | NW | NW | W | W | W | W | W | SW | W | SW | SW | SW | SW | SE | E | E | E | E | E | E |
| Wind movement | 8 | 6 | 7 | 6 | 6 | 6 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 7 | 6 | 7 | 6 | 6 | 7 | 9 | 9 | 9 | 8 |
| Maximum velocities (exceeding 24 miles) direction and time | | | | | | | | | | | | | | | | | | | | | | | | |

Wind data corrected to true velocity.

| Total duration. From— | To— | Total amount of precipitation | Excessive rate. Began— | Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | | | | | |

Excessive precipitation, accumulated amounts

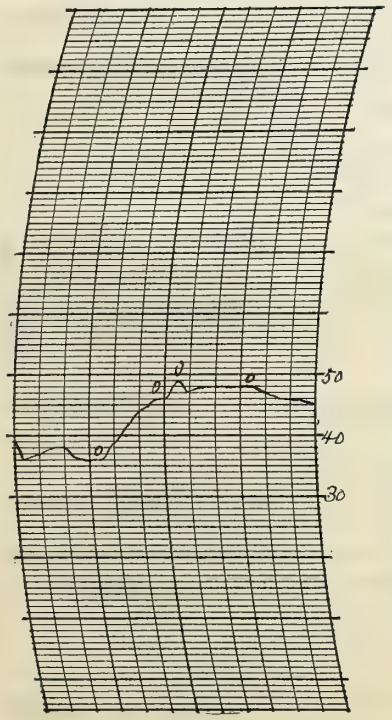
| Maximum Temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 49 | 36 | 42 | |

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., .01 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, .01 inches.
Character of day, Part Cloudy Moon phase,
Average daily cloudiness (0-10), 7
Actual sunshine, hours, 9.9 Possible sunshine, hours, 12.8
Per cent of possible sunshine, 77
Prevailing wind direction, E, W, NW Total wind, 183
Average hourly velocity, 7.6 Extreme velocity, 12
Maximum velocity, 12 Direction, SW
Time began, 11:52 a.m.
Reduced barometer, 29.89 7 a. m. 30.01 7 p. m.
River gage, 9.4 feet
Relative humidity, 89 7 a. m. 59 7 p. m.

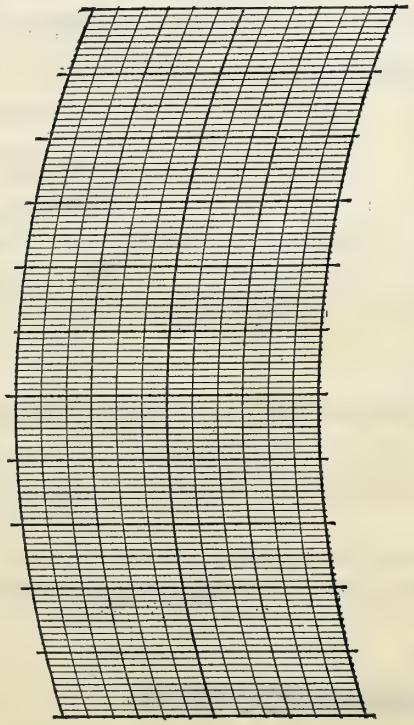
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 45.6 Wet temperature, 38.8
Dew-point, 30 R. humidity, 54 V. pressure, .164
Clouds: Amount, 9; Kind, Cu; Direction, SW
Velocity of clouds (miles per hour)

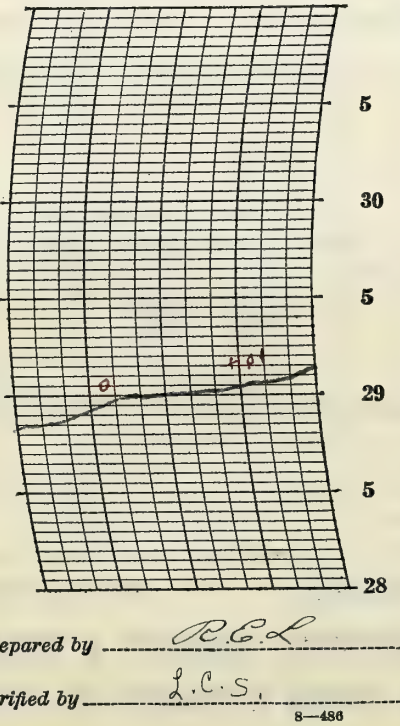
THERMOGRAPH




THERMOGRAPH




BAROGRAPH.




Prepared by R.C.L.

Verified by L.C.S.

8—486

## NOTES

Solar halo observed at 2:10 P.M.
Light frost occurred this morning but no damage.
Flying conditions excellent.

Form No. 1014—Met'1

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Wednesday, (Date) APR 5 1933, 193

Time (local standard) 90 mer. normal time.

| | A.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 | P.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Temperature at end of hour | 45 | 44 | 44 | 44 | 44 | 44 | 44 | 45 | 47 | 48 | 48 | 50 | 52 | 54 | 57 | 58 | 58 | 57 | 54 | 52 | 52 | 52 | 53 | 53 |
| State of weather. Nature of precipitation and time of beginning and ending | | | | | | | R B 6054 | R E 7:55 | | R B 9:55 | | | | R E 1:35 | | | | | R B 6:15 | | | | | R cntd |
| Amounts of precipitation † | | | | | | | .02 | .01 | | T | .08 | .01 | .02 | .02 | | | | | T | .05 | 0 3 | .02 | .02 | 0 3 |
| Cloudiness and other conditions | | | ← | | | | | | | | Cloudy | | | | | | | | | | | | | → |
| Sunrise: Time, 5:17 Character, Cloudy. Moonrise: | | | | | | | | | | | | | | | | | | | | | Sunset: Time, 6:10 Character, Cloudy. Moonset: | | | |
| Sunshine (in tenths of hours) | | | | | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 02 | 0.3 | 0 | 0 | 0 | 0 | | | | | |
| Wind direction | E | E | E | E | E | E | SE | SE | SE | SE | SE | SE | SE | SE | SE | E | SE | SE | E | E | SE | SE | SE | S |
| Wind movement | 9 | 12 | 10 | 11 | 11 | 11 | 13 | 16 | 13 | 14 | 10 | 12 | 12 | 9 | 11 | 12 | 12 | 11 | 12 | 10 | 10 | 11 | 11 | 11 |
| Maximum velocities (exceeding 24 miles) direction and time | | | | | | | | | | | | | | | | | | | | | | | | |

| Wind data corrected to true velocity. | Total duration. From— | To— | Total amount of precipitation. | Excessive rate. Began— | Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Excessive precipitation, accumulated amounts | | | | | | | | | | | | | | | | | | | | |

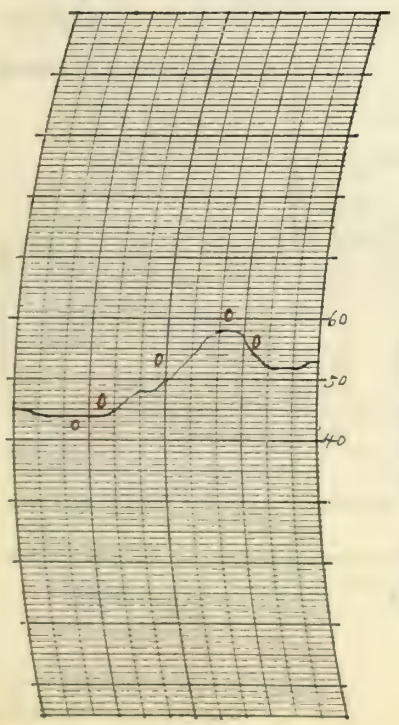
| Maximum Temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 58 | 44 | 51 | |

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., .02 ins.; to 7 p. m., .14 ins.
Total precipitation, midnight to midnight, 0.31 inches.
Character of day, Cloudy Moon phase,
Average daily cloudiness (0-10), 10
Actual sunshine, hours, 0.5 Possible sunshine, hours, 12.9
Per cent of possible sunshine, 4
Prevailing wind direction, SE Total wind, 274
Average hourly velocity, 11.4 Extreme velocity, 22
Maximum velocity, 19 Direction, SE
Time began, 7:39 a m
Reduced barometer, 30.02 7 a. m. 29.75 7 p. m.
River gage, 8.9 feet
Relative humidity, 87 7 a. m. 70 1 p. m.

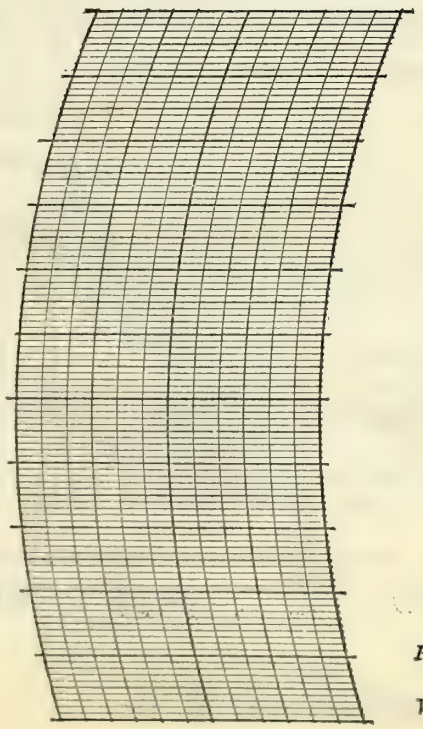
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 50.5 Wet temperature, 46.0
Dew-point, 42 R. humidity, 72 V. pressure, 266
Clouds: Amount, 6 4; Kind, St Cu St; Direction, SE SE
Velocity of clouds (miles per hour)

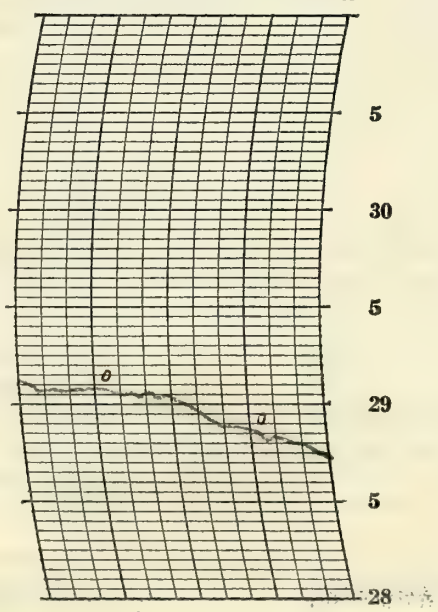
THERMOGRAPH




THERMOGRAPH




BAROGRAPH.




Prepared by R. E. L.

Verified by L. C. S.

8—486

## NOTES

Flying conditions fair to poor.

† Amounts in parentheses were added to automatic recording instrument readings for indicated hours.

Form No. 1014—Met'1

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) ~~Thursday~~, (Date) APR 6 1933, 193

Time (local standard) 90 mer. normal time.

| | A.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Temperature at end of hour (53) | 52 | 51 | 50 | 50 | 50 | 51 | 51 | 53 | 54 | 47 | 44 | 43 |
| State of weather. Nature of precipitation and time of beginning and ending | R CNT 12 (.02)* | | | | | | (.01)* | | | RE 9:50 | RD 10:55 | |
| Amounts of precipitation | .05 | .06 | .06 | .11 | .08 | .04 | .01 | T | T | .01 | T | .02 |
| Cloudiness and other conditions | 5 | | | | | | | | | Cloudy | | |
| Sunrise: Time, Character, 5:16 Cloudy. Moonrise: | | | | | | | | | | | | |
| Sunshine (in tenths of hours) | | | | | | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Wind direction | S | SE | SE | SE | SE | SE | S | S | S | SW | W | W |
| Wind movement | 12 | 12 | 14 | 14 | 14 | 14 | 14 | 12 | 13 | 17 | 17 | 17 |
| Maximum velocities (exceeding 24 miles) direction and time | | | | | | | | | | | | |

| | P.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Temperature at end of hour | 43 | 44 | 44 | 46 | 44 | 43 | 40 | 38 | 38 | 37 | 37 | 36 |
| State of weather. Nature of precipitation and time of beginning and ending | RE 12:15 | | | | RD 4:52 | | | | RE 8:20 | | | |
| Amounts of precipitation | T | | | | T | T | .01 | T | T | | | |
| Cloudiness and other conditions | | | | | | | | | | | | |
| Sunset: Time, Character, 6:11 Cloudy. Moonset: | | | | | | | | | | | | |
| Sunshine (in tenths of hours) | 0.1 | 0 | 0.1 | 0.2 | 0.2 | 0 | 0 | | | | | |
| Wind direction | W | W | W | W | W | W | W | W | SW | SW | W | SW |
| Wind movement | 18 | 20 | 18 | 18 | 15 | 15 | 12 | 15 | 12 | 14 | 12 | 13 |

Wind data corrected to true velocity.

| Excessive precipitation, accumulated amounts | Total duration. From— | To— | Total amount of precipitation. | Excessive rate. Began— | Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | | | | | | |

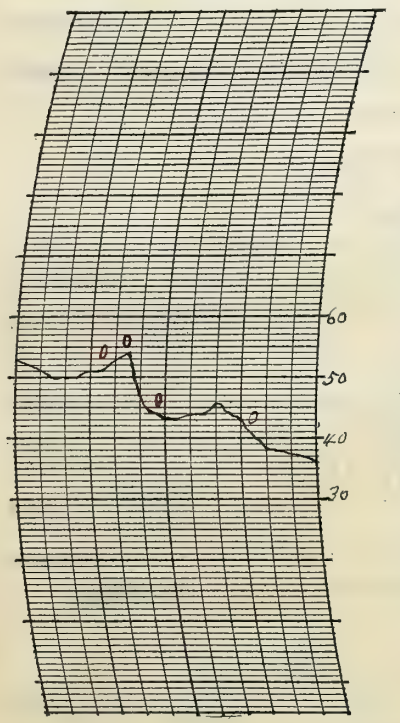
| Maximum Temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 54 | 36 | 45 | |

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., .56 ins.; to 7 p. m., .04 ins.
Total precipitation, midnight to midnight, 0.45 inches.
Character of day, ~~Cloudy~~ Moon phase,
Average daily cloudiness (0-10), 9
Actual sunshine, hours, 0.6 Possible sunshine, hours, 12.9
Per cent of possible sunshine, 5
Prevailing wind direction, W Total wind, 352
Average hourly velocity, 14.7 Extreme velocity, 27
Maximum velocity, 25 Direction, W
Time began, 9:33 a. m.
Reduced barometer, 29.457 a. m. 29.463 p. m.
River gage, 9.9 feet
Relative humidity, 92 7 a. m. 88 7 p. m.

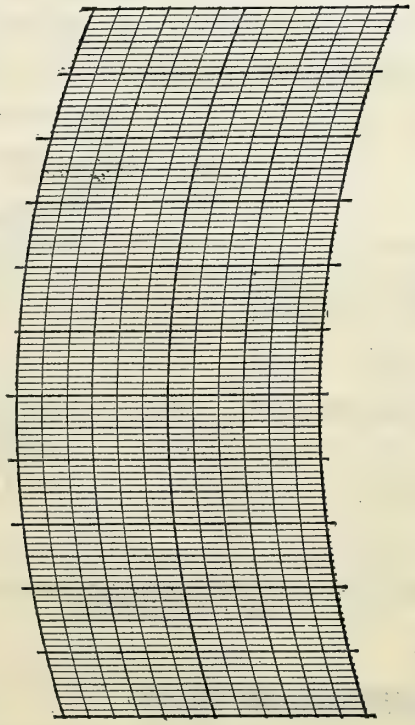
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 43.3 Wet temperature, 42.0
Dew-point, 41 R. humidity, 90 V. pressure, 2.56
Clouds: Amount, 10; Kind, St Cu; Direction, W
Velocity of clouds (miles per hour)

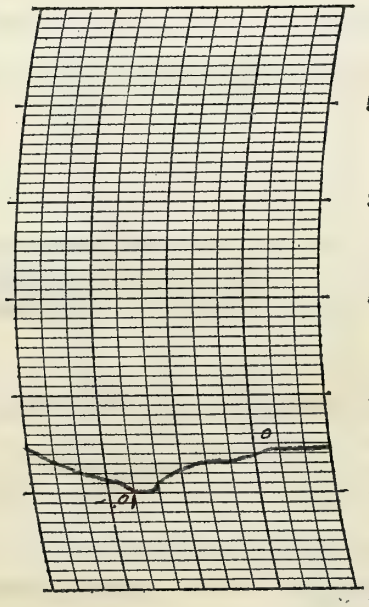
THERMOGRAPH




THERMOGRAPH




BAROGRAPH.




Prepared by R E L

Verified by L.C.S

8—486

## NOTES

* Amounts added to instrument readings for corresponding hours.

Conditions very unfavorable for flying until afternoon. Squall conditions prevailed most of the day.

Form No. 1014—Met'1

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Friday, (Date) APR 7 1933, 193

Time (local standard) 90 mer. normal time.

| | A.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Temperature at end of hour | 36 | 34 | 34 | 34 | 34 | 33 | 32 | 33 | 34 | 34 | 34 | 34 |
| State of weather. Nature of precipitation and time of beginning and ending | | | SM DNA | | | | | | | SM E 9:35 | | SM B 11:40 SM E 11:50 |
| Amounts of precipitation | | | T | .01 | T | T | .01 | T | T | T | | T |
| Cloudiness and other conditions | | | | | | | | | | | Cloudy | Cloudy |
| Sunrise: Time, 5:14 Character, Cloudy | | | | | | | | | | | | |
| Moonrise: | | | | | | | | | | | | |
| Sunshine (in tenths of hours) | | | | | | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Wind direction | SW | W | W | W | W | W | W | W | W | W | W | W |
| Wind movement | 12 | 12 | 12 | 15 | 13 | 12 | 12 | 13 | 13 | 16 | 16 | 17 |
| Maximum velocities (exceeding 24 miles) direction and time | | | | | | | | | | | | |

| | P.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Temperature at end of hour | 35 | 36 | 36 | 36 | 36 | 36 | 36 | 36 | 36 | 36 | 36 | 35 |
| State of weather. Nature of precipitation and time of beginning and ending | | | | | | | | | | | | |
| Amounts of precipitation | | | | | | | | | | | | |
| Cloudiness and other conditions | Cloudy | | | | | | | | | | | |
| Sunset: Time, 6:12 Character, Cloudy | | | | | | | | | | | | |
| Moonset: | | | | | | | | | | | | |
| Sunshine (in tenths of hours) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | |
| Wind direction | W | W | W | W | W | NW | NW | NW | NW | NW | NW | NW |
| Wind movement | 18 | 18 | 16 | 15 | 14 | 9 | 8 | 8 | 8 | 8 | 7 | 5 |
| Maximum velocities (exceeding 24 miles) direction and time | | | | | | | | | | | | |

Wind data corrected to true velocity.

| Excessive precipitation, accumulated amounts | Total duration. From— | To— | Total amount of precipitation. | Excessive rate. Began— | Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | | | | | | |

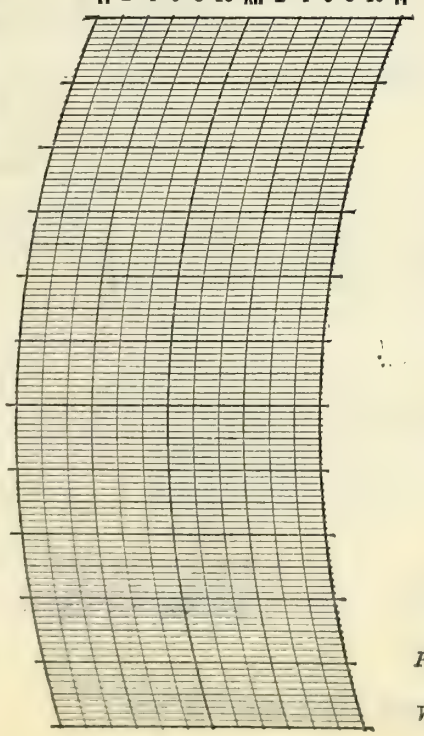
| | Maximum Temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|---|
| | 36 | 32 | 34 | |

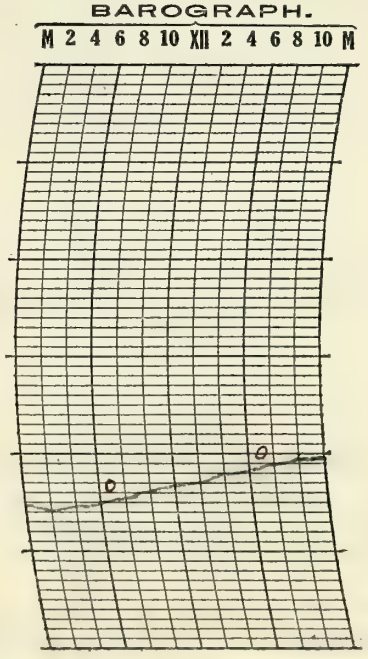
Total depth of snow for 24 hours ending 7 p. m., 0.1 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0.1 inches.
Precipitation to 7 a. m., .02 ins.; to 7 p. m., T ins.
Total precipitation, midnight to midnight, .02 inches.
Character of day, Cloudy Moon phase,
Average daily cloudiness (0-10), 10
Actual sunshine, hours, 0 Possible sunshine, hours, 13.0
Per cent of possible sunshine, 0
Prevailing wind direction, W Total wind, 297
Average hourly velocity, 12.4 Extreme velocity, 21
Maximum velocity, 21 Direction, W
Time began, 9:51 a M.
Reduced barometer, 29.70 7a. m. 29.89 7p. m.
River gage, 12.1 feet
Relative humidity, 99 7a. m. 80 7p. m.

OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 34.5 Wet temperature, 33.0
Dew-point, 29 R. humidity, 86 V. pressure, .164
Clouds: Amount, 10; Kind, St Cu; Direction, W
Velocity of clouds (miles per hour)

THERMOGRAPH
M 2 4 6 8 10 XII 2 4 6 8 10 M
40
30




Prepared by R.E.L.

Verified by L.C.S.

8—486

## NOTES

Icing conditions poor to fair.
Visibility excellent after 12:30 P.M.

Form No. 1014—Met'l

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Saturday, (Date) APR 8 1933, 193

Time (local standard) 90 mer. normal time.

| | A.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 | P.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Temperature at end of hour (35) | 34 | 34 | 34 | 34 | 33 | 33 | 35 | 36 | 38 | 40 | 43 | 46 | 49 | 51 | 53 | 54 | 53 | 52 | 51 | 49 | 48 | 47 | 46 | 44 |
| State of weather. Nature of precipitation and time of beginning and ending | | | | | | | | | | | | | | | | | | | | | | | | |
| Amounts of precipitation | | | | | | | | | | | | | | | | | | | | | | | | |
| Cloudiness and other conditions | | | | | Part Cloudy | | | | Clear | | | | Cloudy | | | | | | | | Clear | | | |
| Sunshine (in tenths of hours) | | | | | | 0 | 0.5 | 0.3 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 0.1 | 0 | 0 | 0 | | | | | |
| Wind direction | NW | NW | NW | NW | NW | NW | NW | NW | SE | SE | S | S | S | SE | SE | SE | E | NE | E | E | E | E | E | E |
| Wind movement | 6 | 4 | 3 | 3 | 3 | 4 | 3 | 6 | 7 | 8 | 6 | 7 | 6 | 7 | 6 | 6 | 7 | 7 | 9 | 9 | 11 | 9 | 8 | 9 |
| Maximum velocities (exceeding 24 miles) direction and time | | | | | | | | | | | | | | | | | | | | | | | | |

Sunrise: Time, 5:13 Character, Cloudy. Moonrise: ____ ____

Sunset: Time, 6:13 Character, Cloudy. Moonset: ____ ____

Wind data corrected to true velocity.

| Total duration. From— | To— | Total amount of precipitation. | Excessive rate. Began— | Ended— | Amount before excessive began. |
|---|---|---|---|---|---|
| | | | | | |

Accumulated depths during excessive rate, for consecutive periods of time indicated below.

| 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | |

Excessive precipitation, accumulated amounts

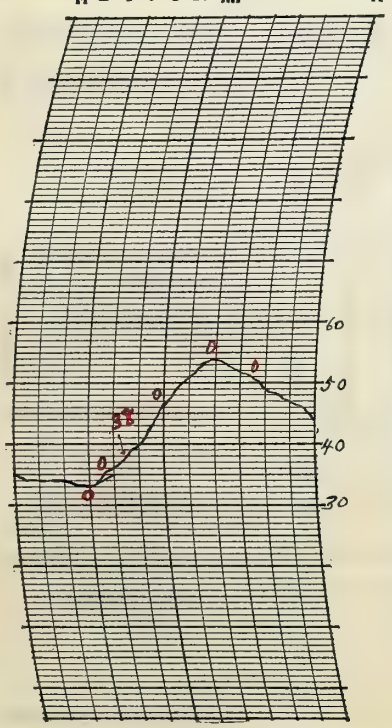
| Maximum Temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 54 | 33 | 44 | |

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Part Cloudy Moon phase, ____
Average daily cloudiness (0-10), 7
Actual sunshine, hours, 7.9 Possible sunshine, hours, 13.0
Per cent of possible sunshine, 61
Prevailing wind direction, N.W. Total wind, 154
Average hourly velocity, 6.4 Extreme velocity, 16
Maximum velocity, 15 Direction, E
Time began, 7:46 P.M.
Reduced barometer, 29.99 7 a. m. 29.84 7 p. m.
River gage, 11.3 feet
Relative humidity, 77 7 a. m. 71 7 p. m.

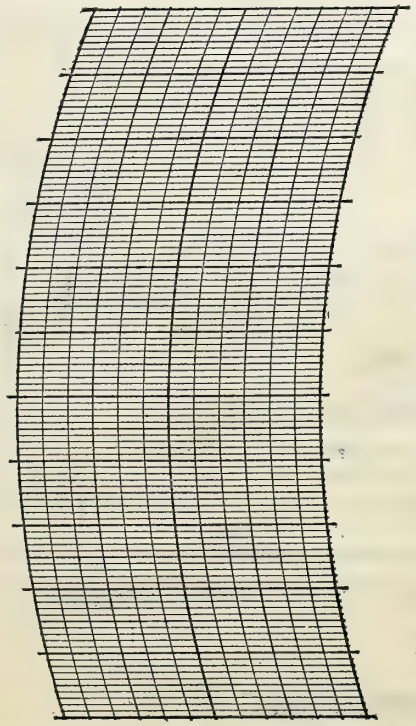
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 46.0 Wet temperature, 41.9
Dew-point, 37 R. humidity, 71 V. pressure, 219
Clouds: Amount, 1; Kind, Ci; Direction, W
Velocity of clouds (miles per hour) ____

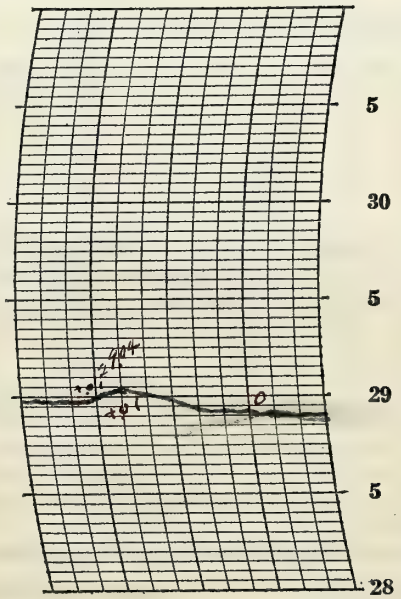
THERMOGRAPH




THERMOGRAPH




BAROGRAPH.




Prepared by R.E.L.

Verified by L.C.S.

8—486

## NOTES

Solar halo observed at 6:45-7:00 AM.
Flying conditions excellent.
Light frost this morning?
Solar halo again visible at 12:30 P

Form No. 1014—Met'1

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Sunday, (Date) APR 9 1933, 193

Time (local standard) 90 mer. normal time.

| | A.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 | P.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Temperature at end of hour | 43 | 42 | 41 | 40 | 39 | 39 | 40 | 44 | 50 | 54 | 59 | 64 | 68 | 70 | 71 | 72 | 71 | 63 | 61 | 53 | 48 | 47 | 46 | 45 |
| State of weather. Nature of precipitation and time of beginning and ending | | | R D | NA ? | R E | NA ? | | | | | | | | | | | | | R 6:40 E 6:50 | | | | | |
| Amounts of precipitation | | | | T | | | | | | | | | | | | | | | T | | | | | |
| Cloudiness and other conditions | Cloudy | | | | | | | | Part Cloudy | | | | Clear | | | | | | Cloudy | | Clear | | | |
| Sunshine (in tenths of hours) | | | | | | 0 | 0 | 0.8 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 0.4 | | | | | | | |
| Wind direction | E | E | E | E | E | NE | NE | E | NE | E | E | SE | SE | SE | S | S | S | NE | E | NE | NE | E | NE | NE |
| Wind movement | 8 | 9 | 9 | 9 | 8 | 9 | 9 | 9 | 7 | 7 | 7 | 6 | 8 | 9 | 9 | 10 | 6 | 9 | 9 | 10 | 10 | 9 | 9 | 9 |

Sunrise: Time, 5:11 Character, Cloudy
Moonrise:
Sunset: Time, 6:14 Character, Cloudy
Moonset:

Maximum Temperature: 72 | Minimum temperature: 39 | Mean temperature: 56 | Normal temperature:

Wind data corrected to true velocity.

Maximum velocities (exceeding 24 miles) direction and time

| Total duration. From— | To— | Total amount of precipitation. | Excessive rate. Began— | Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | | | | | |

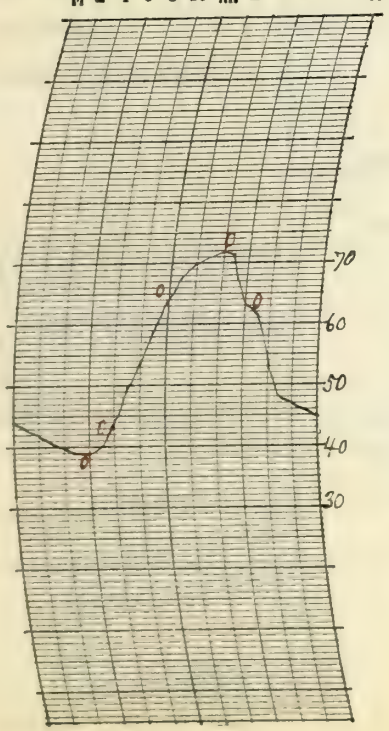
Excessive precipitation, accumulated amounts

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., T ins.; to 7 p. m., T ins.
Total precipitation, midnight to midnight, T inches.
Character of day, Part Cloudy Moon phase,
Average daily cloudiness (0–10), 5
Actual sunshine, hours, 9.2 Possible sunshine, hours, 13.0
Per cent of possible sunshine, 71
Prevailing wind direction, E Total wind, 204
Average hourly velocity, 8.5 Extreme velocity, 12
Maximum velocity, 12 Direction, NE
Time began, 7:10 P.M.
Reduced barometer, 29.82 7 a. m. 29.83 7 p. m.
River gage, 9.3 feet
Relative humidity, 88 7 a. m. 68 7 p. m.

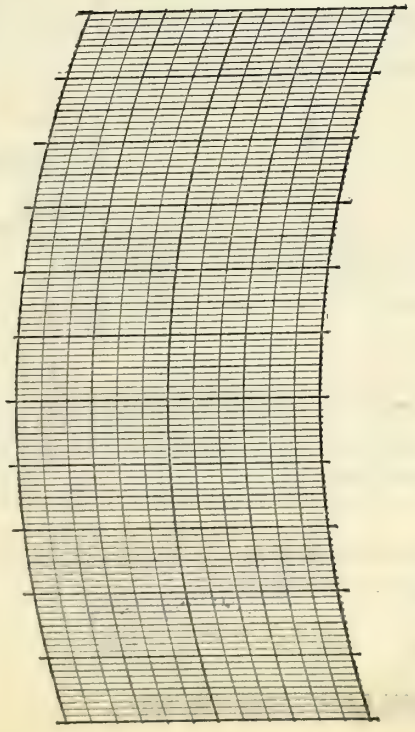
### OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 64.0 Wet temperature, 55.7
Dew-point, 49 R. humidity, 59 V. pressure, 347
Clouds: Amount, 7 cu; Kind, Cu; Direction, W
Velocity of clouds (miles per hour)

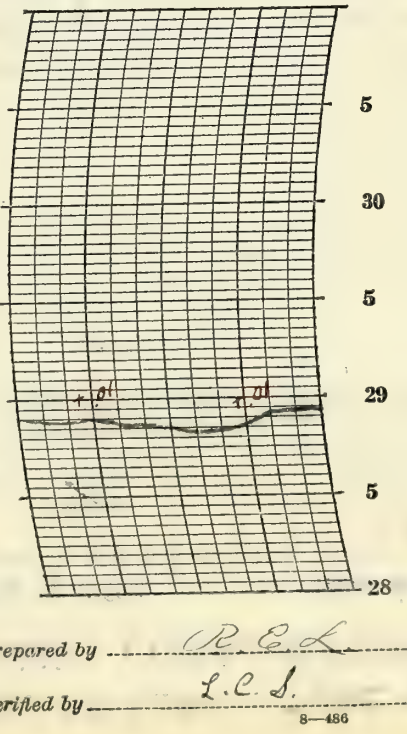
THERMOGRAPH




THERMOGRAPH




BAROGRAPH.




Prepared by R. E. L.
Verified by L. C. S.

8—486

## NOTES

Light haze all day. Ceilings unlimited most of the day.
Warmest day since Oct. 25, 1932.

Form No. 1014—Met'1

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Monday, (Date) APR 10 1933, 193

Time (local standard) 90 mer. normal time.

| | A.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 | P.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Temperature at end of hour (45) | 44 | 44 | 43 | 43 | 42 | 42 | 43 | 46 | 54 | 62 | 70 | 73 | 74 73 | 68 | 70 | 68 | 66 | 63 | 62 | 62 | 61 | 60 | 59 | 58 |
| State of weather: Nature of precipitation and time of beginning and ending | | | | | | | | | | | | | RB 12:56 RE 1:39 RB 2:20 RE 2:30 | | | | | | | | | | | |
| State of weather: Amounts of precipitation | | | | | | | | | | | | | T | .22 | .01 | | | | | | | | | |
| State of weather: Cloudiness and other conditions | | | | | Cloudy | × | Part Cloudy | × | | | | | Cloudy | | | | | | | | | | | |
| Sunshine (in tenths of hours) | | | | | | 0 | 0 | 0 | 0.7 | 1.0 | 1.0 | 1.0 | 0.7 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | |
| Wind direction | NE | NE | E | E | E | E | E | E | E | SE | SE | S | SE | SE | SE | S | S | W | W | S | S | S | SE | SE |
| Wind movement | 9 | 9 | 9 | 9 | 8 | 9 | 8 | 6 | 7 | 8 | 8 | 10 | 12 | 12 | 12 | 15 | 16 | 12 | 7 | 9 | 5 | 4 | 7 | 4 |
| Maximum velocities (exceeding 24 miles) direction and time | | | | | | | | | | | | | | | | | | | | | | | | |

Sunrise: Time, 5:09 Character, Cloudy. Moonrise: ____ ____

Sunset: Time, 6:15 Character, Cloudy. Moonset: ____ ____

Wind data corrected to true velocity.

| Total duration. From— | To— | Total amount of precipitation. | Excessive rate. Began— | Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | | | | | |

Excessive precipitation, accumulated amounts

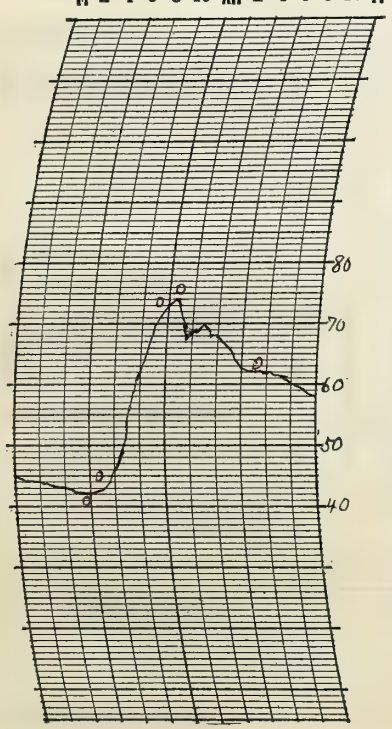
| Maximum Temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 74 | 42 | 58 | |

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., T ins.; to 7 p. m., 0.23 ins.
Total precipitation, midnight to midnight, 0.23 inches.
Character of day, Cloudy Moon phase, ____
Average daily cloudiness (0-10), 9
Actual sunshine, hours, 4.4 Possible sunshine, hours, 13.0
Per cent of possible sunshine, 34
Prevailing wind direction, E, SE Total wind, 215
Average hourly velocity, 9.0 Extreme velocity, 23
Maximum velocity, 22 Direction, SW
Time began, 4:05 PM
Reduced barometer, 29.887 a. m. 29.775 p. m.
River gage, 8.1 feet
Relative humidity, 86 7 a. m. 66 7 p. m.

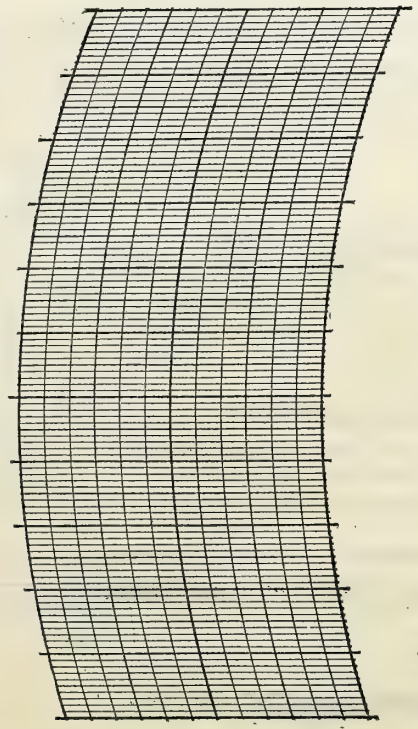
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 72.6 Wet temperature, 64.0
Dew-point, 59 R. humidity, 63 V. pressure, 499
Clouds: Amount, 3/4 a.s.+; Kind, alto; Direction, W
Velocity of clouds (miles per hour) ____

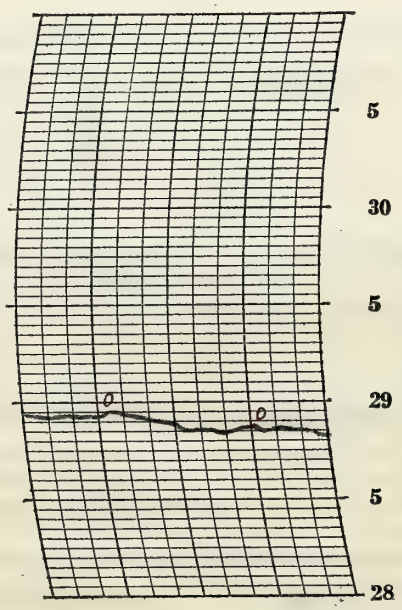
THERMOGRAPH




THERMOGRAPH




BAROGRAPH.




Prepared by R.C.L.

Verified by L.C.S.

8—486

## NOTES

A thunderstorm occurred in the early afternoon, accompanied by heavy rain and some hail. The hail observed here was about ¼ to ⅜ inches in diameter. In the northwest part of town it was reported as being larger. No damage was reported.

Light fog N.A. to 9:00 a.m.

A second thunderstorm appeared to the west of the city about 6:40 P.M.

Form No. 1014—Met'1

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(Station) Fort Wayne Ind., (Day of week) Tuesday, (Date) APR 11 1933, 193

Time (local standard) 90 mer. normal time.

| | A.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 | P.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Temperature at end of hour | 58 | 57 | 56 | 45 | 43 | 41 | 41 | 39 | 40 | 41 | 42 | 43 | 47 | 48 | 49 | 47 | 46 | 45 | 44 | 43 | 42 | 41 | 41 | 39 |
| | | | | | | | Ro 6:05 | | Pe 9:00A | | | | | | | | | | | | | | | |
| State of weather. Nature of precipitation and time of beginning and ending | | | | | | | T | .08 | .05 | | | | | | | | | | | | | | | |
| Amounts of precipitation | | | | | | | | | | | | | | | | | | | | | | | | |
| Cloudiness and other conditions | | | | ← | — | — | — | Cloudy | → | × | Part Cloudy | × | Clear | × | Cloudy | × | Part Cloudy | × | Clear | | | | | |
| Sunshine (in tenths of hours) | | | | | | 0 | 0 | 0 | 0 | 0 | 0 | 0.6 | 1.0 | 1.0 | 1.0 | 1.0 | 0.6 | 0.2 0 | .27 0 | | | | | |
| Wind direction | SE | S | SW | NW | NW | NW | NW | NW | NW | NW | W | NW | NW | NW | NW | NW | W | NW | NW | NW | NW | NW | NW | W |
| Wind movement | 5 | 9 | 9 | 13 | 14 | 15 | 13 | 13 | 13 | 12 | 15 | 15 | 16 | 18 | 16 | 15 | 13 | 9 | 7 | 4 | 4 | 6 | 8 | 7 |
| Maximum velocities (exceeding 24 miles) direction and time | | | | | | | | | | | | | | | | | | | | | | | | |

Sunrise: Time 5:08, Character Cloudy. Moonrise: ---- ----

Sunset: Time 6:16, Character Clear after 5:30. Moonset: ---- ----

Wind data corrected to true velocity.

| Total duration. From— | To— | Total amount of precipitation. | Excessive rate. Began— | Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | | | | | |

Excessive precipitation, accumulated amounts

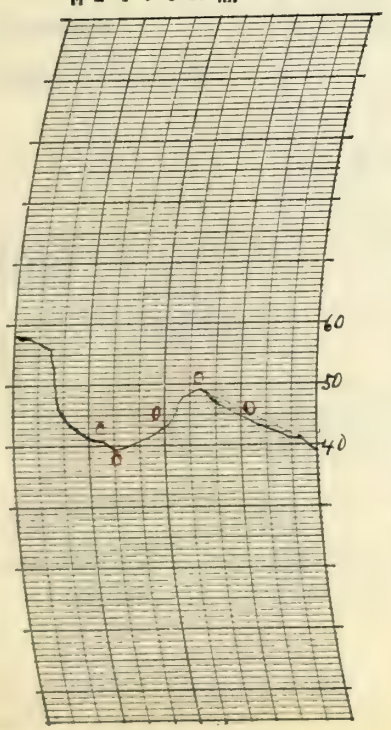
| Maximum Temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 58 | 39 | 48 | |

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., T ins.; to 7 p. m., .13 ins.
Total precipitation, midnight to midnight, 0.13 inches.
Character of day, Cloudy Moon phase, ----
Average daily cloudiness (0-10), 8
Actual sunshine, hours, 5.7 Possible sunshine, hours, 13.1
Per cent of possible sunshine, 44
Prevailing wind direction, NW Total wind, 269
Average hourly velocity, 11.2 Extreme velocity, 24
Maximum velocity, 21 Direction, NW
Time began, 2:58 P.M. ----
Reduced barometer, 29.85 7a. m. 30.02 7p. m.
River gage, 7.6 feet
Relative humidity, 88 7a. m. 56 7p. m.

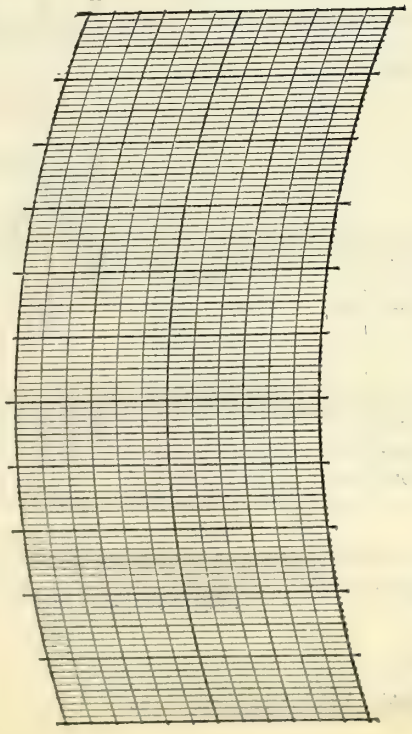
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 42.8 Wet temperature, 38.3
Dew-point, 33 R, humidity, 67 V. pressure, .187
Clouds: Amount, 3; Kind, Cu; Direction, NW
Velocity of clouds (miles per hour) ----

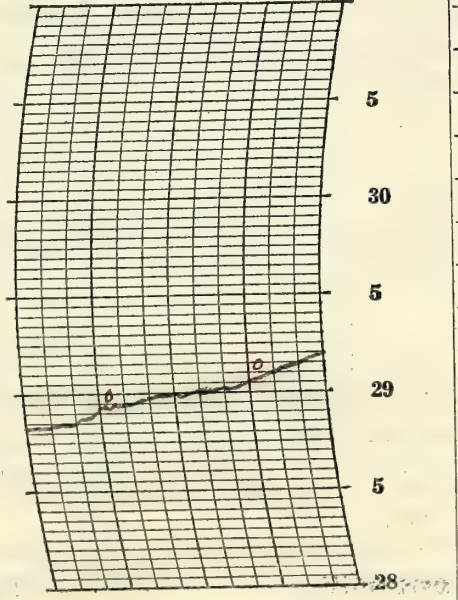
THERMOGRAPH




THERMOGRAPH




BAROGRAPH.




Prepared by R.E.L.

Verified by L.L.S.

8—486

## NOTES

Drying conditions improved rapidly after the rain ended (9:00 A.M.) Wind was rather gusty.

Form No. 1014—Met'1

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Wednesday, (Date) APR 12 1933, 193

Time (local standard) 90 mer. normal time.

| | A.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 | P.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Temperature at end of hour (39) | 38 | 36 | 36 | 35 | 34 | 35 | 37 | 44 | 46 | 49 | 51 | 53 | 54 | 56 | 56 | 57 (58) | 56 | 55 | 54 | 50 | 49 | 48 | 47 | 46 |
| State of weather. Nature of precipitation and time of beginning and ending | | | | | | | | | | | | | | | | | | | | | | | | |
| Amounts of precipitation | | | | | | | | | | | | | | | | | | | | | | | | |
| Cloudiness and other conditions | ← Clear → | | | | | | | | | | | | | | | | | | | | | | | |
| Sunrise: Time, Character, 5:06 Clear. Moonrise: | | | | | | | | | | | | | | | | | | | | | Sunset: Time, Character, 6:17 Clear. Moonset: | | | |
| Sunshine (in tenths of hours) | | | | | | .90 0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 0.6 0.4 | .28 0 | | | | | |
| Wind direction | SW | SW | SW | SW | SW | SW | SW | SW | SW | SW | SW | SW | SW | SW | SW | SW | SW | S | S | S | S | S | S | S |
| Wind movement | 7 | 7 | 7 | 9 | 7 | 7 | 7 | 11 | 14 | 15 | 17 | 18 | 17 | 18 | 17 | 17 | 15 | 12 | 10 | 9 | 10 | 11 | 11 | 12 |
| Maximum velocities (exceeding 24 miles) direction and time | | | | | | | | | | | | | | | | | | | | | | | | |

Wind data corrected to true velocity.

| Total duration. From— | To— | Total amount of precipitation. | Excessive rate. Began— | Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | | | | | |

Excessive precipitation, accumulated amounts

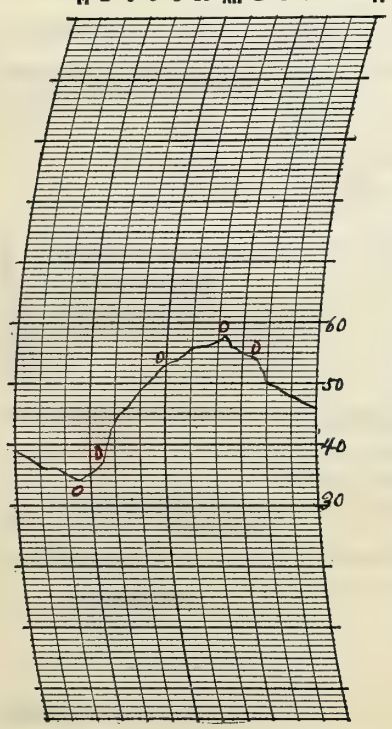
| Maximum Temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 58 | 34 | 46 | |

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Clear Moon phase,
Average daily cloudiness (0-10), Fair
Actual sunshine, hours, 13.2 Possible sunshine, hours, 13.2
Per cent of possible sunshine, 100
Prevailing wind direction, S W Total wind, 285
Average hourly velocity, 11.9 Extreme velocity, 23
Maximum velocity, 21 Direction, S W
Time began, 2:18 P.M.
Reduced barometer, 30.227 a. m. 30.157 p. m.
River gage, 7.2 feet
Relative humidity, 72 7 a. m. 38 7 p. m.

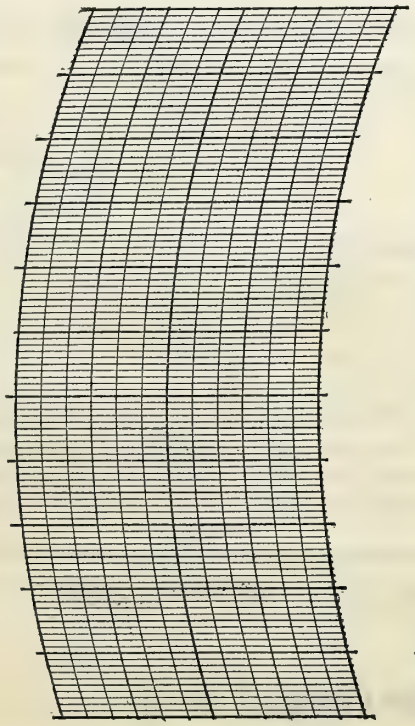
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 53.0 Wet temperature, 41.7
Dew-point, 27 R. humidity, 35 V. pressure, .143
Clouds: Amount, 0; Kind, —; Direction, —
Velocity of clouds (miles per hour)

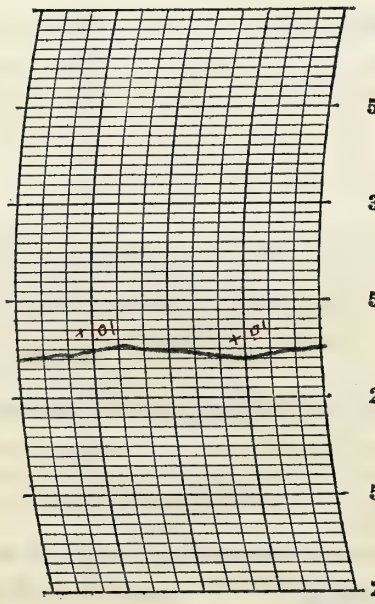
THERMOGRAPH




THERMOGRAPH




BAROGRAPH.




Prepared by R C L

Verified by L. C. S.

8—486

## NOTES

Fairly heavy frost occurred this a.m.
Flying conditions excellent.

Form No. 1014—Met'1

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) ~~Thursday~~, (Date) APR 13 1933, 193

Time (local standard) normal time. 90 mer.

| | A.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 | P.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Temperature at end of hour | 46 | 44 | 44 | 44 | 42 | 43 | 44 | 50 | 52 | 56 | 56 | 57 | 58 | 59 | 61 | 62 | 61 | 60 | 59 | 58 | 57 | 56 | 55 | 54 |
| State of weather. Nature of precipitation and time of beginning and ending | | | | | | | | | | | | | | | | | | | | | | | | |
| Amounts of precipitation | | | | | | | | | | | | | | | | | | | | | | | | |
| Cloudiness and other conditions | | | | | Part | Cloudy | | | | | | | Cloudy | | | | | | | | | | | |
| Sunrise: Time, 5:05 Character, Cloudy. Moonrise: | | | | | | | | | | | | | | | | | | | | | Sunset: Time, 6:18 Character, Cloudy. Moonset: | | | |
| Sunshine (in tenths of hours) | | | | | | 0 | 0.5 | 1.0 | 0.8 | 0.8 | 1.0 | 1.0 | 0.8 | 1.0 | 1.0 | 0.5 | 0.1 | 0 | 0 | | | | | |
| Wind direction | S | S | S | S | S | S | S | S | S | S | S | S | S | S | S | S | S | S | S | SE | SE | SE | W | W |
| Wind movement | 12 | 10 | 9 | 10 | 9 | 8 | 9 | 15 | 14 | 15 | 15 | 13 | 13 | 14 | 12 | 12 | 10 | 6 | 7 | 7 | 7 | 7 | 5 | 4 |
| Maximum velocities (exceeding 24 miles) direction and time | | | | | | | | | | | | | | | | | | | | | | | | |

Wind data corrected to true velocity.

| Total duration. From— | To— | Total amount of precipitation. | Excessive rate. Began— | Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | |

Excessive precipitation, accumulated amounts

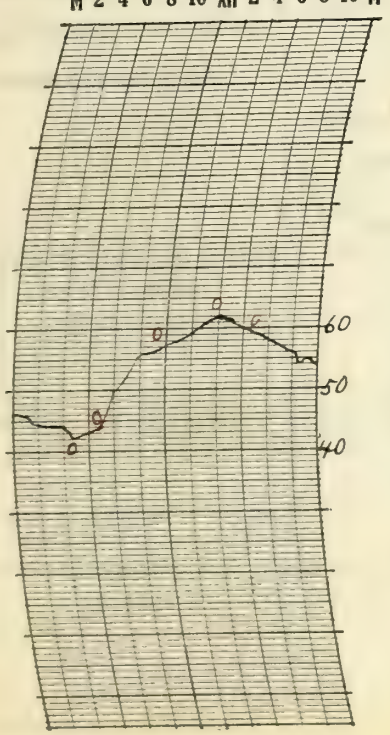
| Maximum Temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 62 | 42 | 52 | |

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Cloudy Moon phase,
Average daily cloudiness (0-10), 9
Actual sunshine, hours, 8.5 Possible sunshine, hours, 13.2
Per cent of possible sunshine, 64
Prevailing wind direction, S Total wind, 243
Average hourly velocity, 10.1 Extreme velocity, 21
Maximum velocity, 20 Direction, S
Time began, 10:00 a.m.
Reduced barometer, 30.25 7 a. m. 30.08 7 p. m.
River gage, 5.6 feet
Relative humidity, 52 7 a. m. 43 7 p. m.

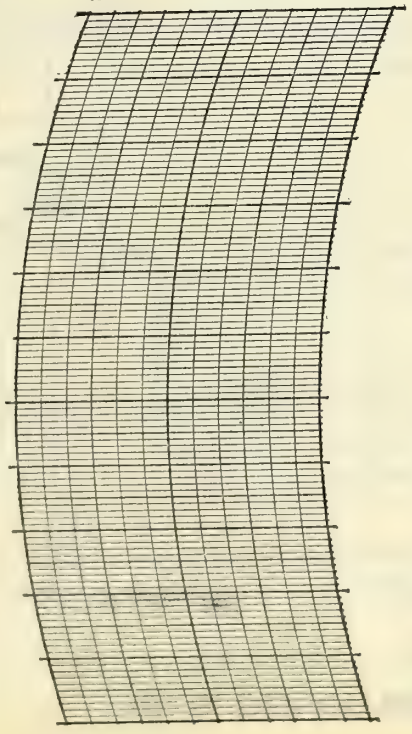
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 57.0 Wet temperature, 45.0
Dew-point, 31 R. humidity, 36 V. pressure, .172
Clouds: Amount, 10; Kind, Cst; Direction, ?
Velocity of clouds (miles per hour)

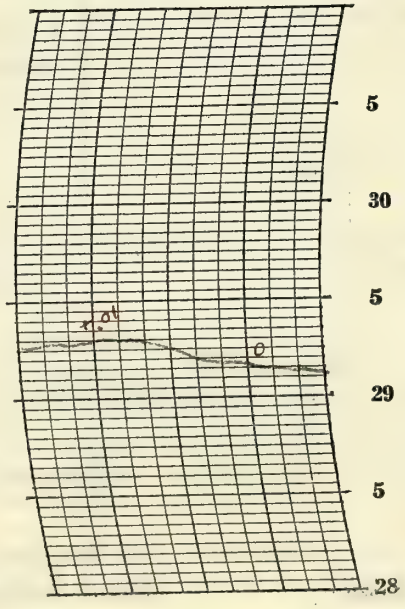
THERMOGRAPH




THERMOGRAPH




BAROGRAPH.




Prepared by R.E.L.

Verified by L.C.S.

8—486

## NOTES

Flying conditions excellent.
Paschia (Alto Dogs) observed at 6:15 a.m.

Form No. 1014—Met'1

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

Good Friday

(Station) Fort Wayne, Ind., (Day of week) Friday, (Date) APR 14 1933, 193

| Time (local standard) 90 mer. normal time. | A.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 | P.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Temperature at end of hour (54) | 54 | 54 | 52 | 51 | 51 | 50 | 50 RB 6:55 | 52 RE 7:40 | 52 | 51 RB 7:05 | 50 | 50 | 51 | 52 | 53 RE 2:15 | 53 | 50 RB 4:15 | 48 | 46 | 46 | 45 | 44 | 44 | 43 RE PM P |
| State of weather: Nature of precipitation and time of beginning and ending | | | | | | | | | | | | | | | | | | | | | | | | |
| Amounts of precipitation | | | | | | | T | T | | .02 | .05 | T | .01 | T | T | | T | T | .02 | .05 | .03 | .02 | T | .02 |
| Cloudiness and other conditions | ← Cloudy → | | | | | | | | | | | | | | | | | | | | | | | |
| Sunrise: Time, 5:03 Character, Cloudy | | | | | | | | | | | | | | | | | | | | | Sunset: Time, 6:19 Character, Cloudy | | | |
| Moonrise: | | | | | | | | | | | | | | | | | | | | | Moonset: | | | |
| Sunshine (in tenths of hours) | | | | | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | |
| Wind direction | S | SE | SE | NE | NE | E | NW | NE | NE | E | E | S | S | S | S | SW | W | NW | NW | N | N | N | N | N |
| Wind movement | 7 | 8 | 6 | 6 | 5 | 4 | 8 | 7 | 6 | 4 | 6 | 9 | 11 | 9 | 9 | 8 | 7 | 8 | 8 | 8 | 6 | 9 | 9 | 8 |
| Maximum velocities (exceeding 24 miles) direction and time | | | | | | | | | | | | | | | | | | | | | | | | |

Wind data corrected to true velocity.

| Total duration. From— | To— | Total amount of precipitation. | Excessive rate. Began— | Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | | | | | |

Excessive precipitation, accumulated amounts

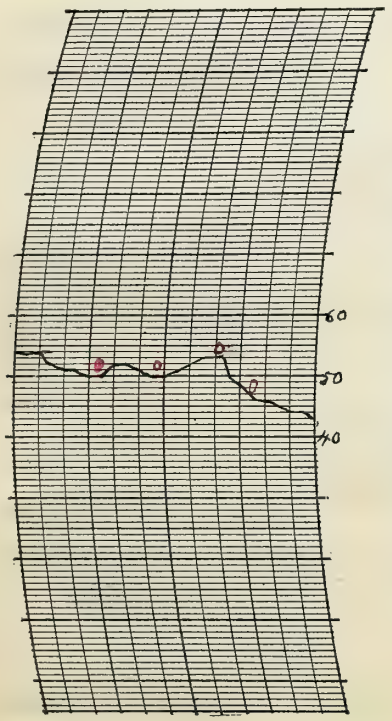
| Maximum Temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 54 | 43 | 48 | |

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0.00 ins.; to 7 p. m., .22 ins.
Total precipitation, midnight to midnight, .22 inches.
Character of day, Cloudy Moon phase,
Average daily cloudiness (0-10), 10
Actual sunshine, hours, 0 Possible sunshine, hours, 13.3
Per cent of possible sunshine, 0
Prevailing wind direction, N. S. Total wind, 176
Average hourly velocity, 7.3 Extreme velocity, 13
Maximum velocity, 13 Direction, S
Time began, 12:32 PM.
Reduced barometer, 30.03 7a. m. 30.02 7p. m.
River gage, 4.7 feet
Relative humidity, 68 7a. m. 28 7p. m.

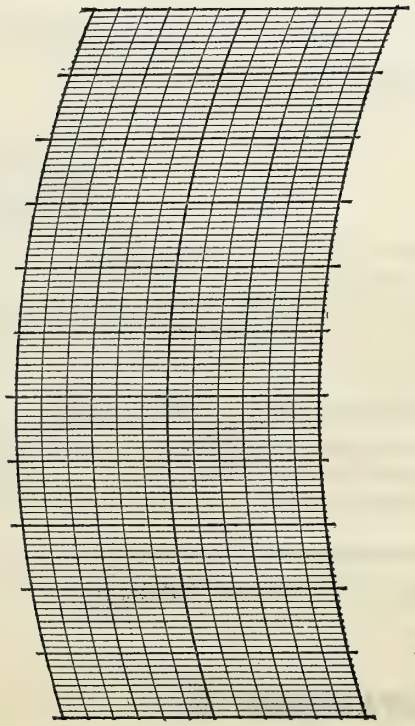
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 50.0 Wet temperature, 47.8
Dew-point, 46 R. humidity, 86 V. pressure, 30.10
Clouds: Amount, 10; Kind, St; Direction, SW
Velocity of clouds (miles per hour)

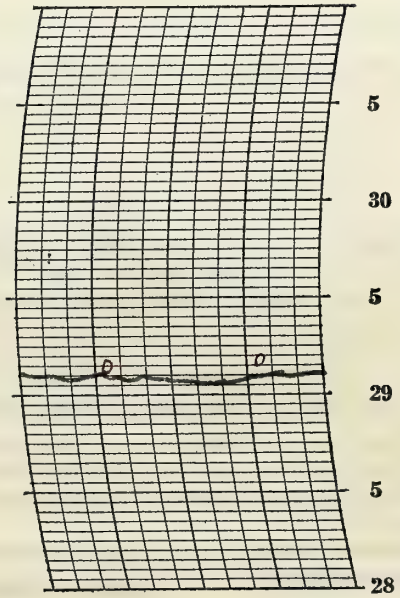
THERMOGRAPH




THERMOGRAPH




BAROGRAPH.




*Prepared by* R.E.L.

*Verified by* L.C.S.

8—486

## NOTES

Flying conditions good to fair.
Visibility one-half to three miles.
Bucket full when rain ended PM P

Form No. 1014—Met'1

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Saturday, (Date) APR 15 1933, 193

Time (local standard) 90 mer. normal time.

| | A.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 | P.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Temperature at end of hour | 42 | 42 | 41 | 41 | 41 | 40 | 40 | 41 | 41 | 42 | 43 | 43 | 44 | 44 | 44 | 44 | 44 | 44 | 44 | 42 | 42 | 42 | 42 | 42 |
| State of weather. Nature of precipitation and time of beginning and ending | | | | | | | | R mist B 7.45 E 8.00 | | | | | | | | SM B 2.05 E 3:10 very light R | | | | R 7:35 | | | | R cont'd |
| Amounts of precipitation | | | | | | | | T | | | | | | | | T | | | | T | .01 | T | T | T |
| Cloudiness and other conditions | ← | | | | | | | | | | Cloudy | | | | | | | | | | | | | → |
| Sunshine (in tenths of hours) | | | | | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.1 | 0 | 0 | 0 | 0 | 0 | | | | | |
| Wind direction | N | N | NE | NE | NE | NE | NE | NE | NE | NE | NE | NE | NE | NE | NE | NE | NE | NE | NE | NE | NE | NE | NE | NE |
| Wind movement | 9 | 7 | 9 | 9 | 11 | 12 | 14 | 13 | 14 | 14 | 12 | 13 | 14 | 15 | 15 | 15 | 15 | 14 | 12 | 13 | 13 | 13 | 12 | 13 |

Sunrise: Time, 5:02 Character, Cloudy. Moonrise: ____ ____

Sunset: Time, 6:20 Character, Cloudy. Moonset: ____ ____

Maximum velocities (exceeding 24 miles) direction and time ____

Wind data corrected to true velocity.

| Total duration. From— | To— | Total amount of precipitation. | Excessive rate. Began— | Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | | | | | |

Excessive precipitation, accumulated amounts ____

| Maximum Temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 44 | 40 | 42 | |

Total depth of snow for 24 hours ending 7 p. m., T inches.

Snow, sleet, and hail on ground 7 p. m., 0 inches.

Total snowfall, midnight to midnight, T inches.

Precipitation to 7 a. m., .12 ins.; to 7 p. m., T ins.

Total precipitation, midnight to midnight, .01 inches.

Character of day, Cloudy. Moon phase, ____

Average daily cloudiness (0-10), 10

Actual sunshine, hours, 0.1 Possible sunshine, hours, 13.3

Per cent of possible sunshine, 1

Prevailing wind direction, NE Total wind, 301

Average hourly velocity, 12.5 Extreme velocity, 19

Maximum velocity, 18 Direction, NE

Time began, 4:54 P.M.

Reduced barometer, 30.06 7 a. m. 29.96 7 p. m.

River gage, 4.2 feet

Relative humidity, 91 7 a. m. 85 7 p. m.

### OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

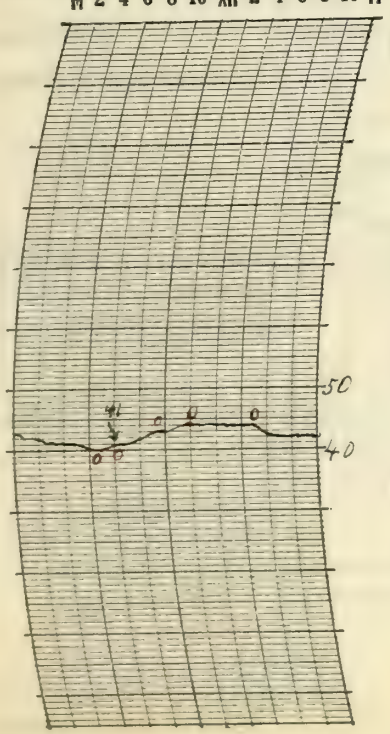
Dry temperature, 43.0 Wet temperature, 41.2

Dew-point, 39 R. humidity, 86 V. pressure, .237

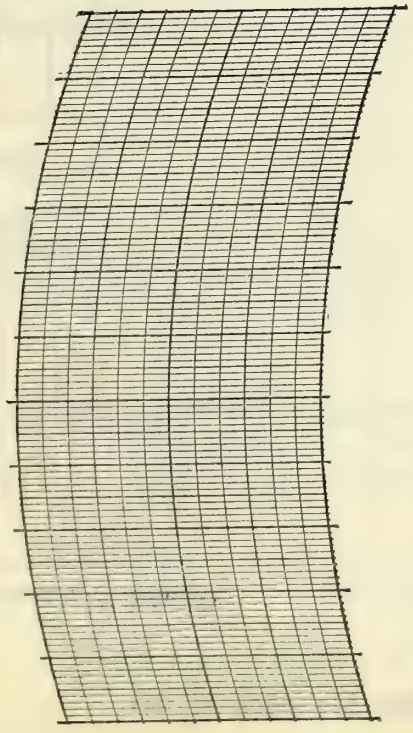
Clouds: Amount, ~~10~~ 10; Kind, ~~St~~ St; Direction, ~~NE~~ NE

Velocity of clouds (miles per hour) ____

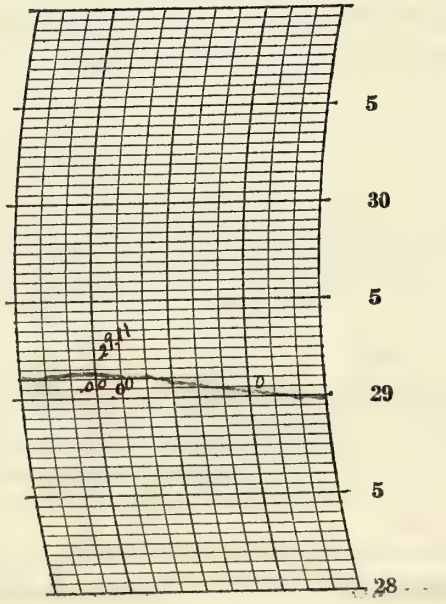
THERMOGRAPH




THERMOGRAPH




BAROGRAPH.




Prepared by R E L

Verified by L. C. S.

8—486

## NOTES

Ceilings and visibility ample for flying during the day.

Form No. 1014—Met'1

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Sunday, (Date) Easter APR 16 1933, 193

Time (local standard) 90 mer. normal time.

| | A.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Temperature at end of hour | 42 | 43 | 43 | 42 | 42 | 42 | 44 | 44 | 45 | 46 | 48 | 49 |
| State of weather. Nature of precipitation and time of beginning and ending | R ent'd | | | | | | | | | | | |
| Amounts of precipitation | .01 | T | .01 | .06 | .05 | .05 | T | .02 | .01 | .01 | T | .01 |
| Cloudiness and other conditions | ← | | | | | | | | | | Cloudy | → |
| Sunrise: Time, Character, | 5:00 Cloudy | | | | | | | | | | | |
| Moonrise: | | | | | | | | | | | | |
| Sunshine (in tenths of hours) | | | | | | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Wind direction | NE | NE | NE | NE | NE | NE | NE | NE | NE | NE | NE | NE |
| Wind movement | 12 | 12 | 13 | 13 | 12 | 12 | 11 | 12 | 12 | 9 | 9 | 9 |
| Maximum velocities (exceeding 24 miles) direction and time | | | | | | | | | | | | |

| | P.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Temperature at end of hour | 50 | 51 | 50 | 50 | 51 | 51 | 51 52 | 51 | 50 | 50 | 50 | 50 |
| State of weather. Nature of precipitation and time of beginning and ending | R E 12:25 | | R B 2:55 | | | R E 5:50 | | | R M/St 8:05 | | R E M/St D N P | |
| Amounts of precipitation | | | T | .04 | .04 | .05 | | | T | T | T | |
| Cloudiness and other conditions | | | | | | | | | | | | |
| Sunset: Time, Character, | | | | | | | | | 6:21 Cloudy | | | |
| Moonset: | | | | | | | | | | | | |
| Sunshine (in tenths of hours) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | |
| Wind direction | NE | NE | NE | NE | NE | NE | NE | NE | NE | NE | NE | NE |
| Wind movement | 11 | 9 | 12 | 10 | 9 | 9 | 3 | 5 | 6 | 5 | 4 | 3 |

| Maximum Temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 52 | 42 | 47 | |

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0.09 ins.; to 7 p. m., 0.19 ins.
Total precipitation, midnight to midnight, 0.37 inches.
Character of day, Cloudy. Moon phase,
Average daily cloudiness (0-10), 10
Actual sunshine, hours, 0 Possible sunshine, hours, 13.4
Per cent of possible sunshine, 0
Prevailing wind direction, NE Total wind, 222
Average hourly velocity, 9.2 Extreme velocity, 16
Maximum velocity, 15 Direction, NE
Time began, 3:13 a.m.
Reduced barometer, 29.87 7 a. m. 29.86 7 p. m.
River gage, 4.5 feet
Relative humidity, 96 7 a. m. 86 7 p. m.

Wind data corrected to true velocity.

| Total duration. From— | To— | Total amount of precipitation. | Excessive rate. Began— | Ended— | Amount before excessive began. |
|---|---|---|---|---|---|
| | | | | | |

Excessive precipitation, accumulated amounts

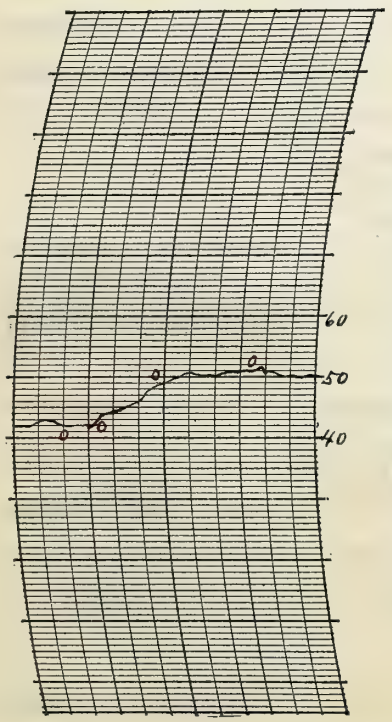
Accumulated depths during excessive rate, for consecutive periods of time indicated below.

| 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | |

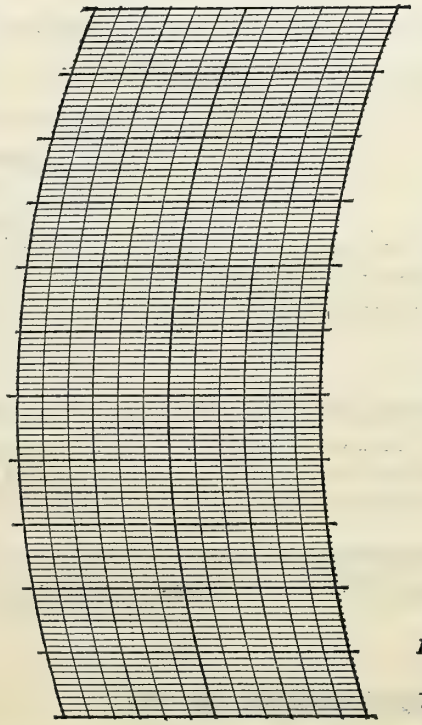
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 49.0 Wet temperature, 48.5
Dew-point, 48 R. humidity, 96 V. pressure, 334
Clouds: Amount, 10; Kind, St; Direction, NE
Velocity of clouds (miles per hour)

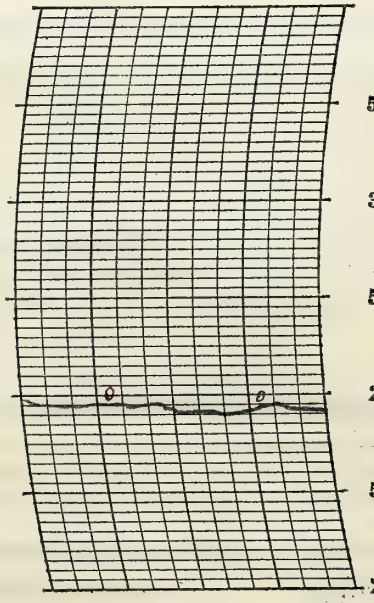
THERMOGRAPH




THERMOGRAPH




BAROGRAPH.




Prepared by R.E.L.

Verified by L.C.S.

8—486

## NOTES

Conditions unfavorable for flying. Ceilings at about 400 ft. and visibility one to three miles. Caret (^) used to indicate addition of .01 inch to instrumental record.

Form No. 1014—Met'1

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Monday, (Date) APR 17 1933, 193

Time (local standard) 90 mer. normal time.

| | A.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 | P.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Temperature at end of hour | 50 | 49 | 49 | 49 | 49 | 50 | 50 | 50 | 50 | 50 | 50 | 50 | 51 | 50 | 48 | 48 | 47 | 47 | 47 | 46 | 45 | 44 | 43 | 43 |
| State of weather. Nature of precipitation and time of beginning and ending | | | RB DNA | | | RE 5:45 | | | | RB 9:07 E 9:15 | RB 10:30 | | | RE 1:22 | | | | | | | Rmist B 8:25 - | RE DNP | | |
| Amounts of precipitation | | | | .02 | .08 | .01 | | | | T | T | .06 | .06 | .04 | | | | | | | T | T | | |
| Cloudiness and other conditions | | | | | | | | | | Cloudy | | | | | | | Part Cloudy | | Cloudy | | Clear | | | |
| Sunshine (in tenths of hours) | | | | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.1 | 0.4 | 0 | 0 | 0 | 0 | | | | | |
| Wind direction | NE | NE | E | E | E | NW | NW | NW | N | N | NE | NE | SE | SE | SE | SE | SE | SE | SE | E | E | NE | NE | NE |
| Wind movement | 5 | 4 | 5 | 3 | 7 | 7 | 9 | 9 | 6 | 6 | 5 | 5 | 9 | 13 | 15 | 12 | 13 | 9 | 7 | 7 | 7 | 8 | 8 | 8 |

Sunrise: Time, 4:58 Character, Cloudy. Moonrise: ____ ____

Sunset: Time, 6:23 Character, Cloudy. Moonset: ____ ____

Maximum velocities (exceeding 24 miles) direction and time ____

Wind data corrected to true velocity.

| Total duration. From— | To— | Total amount of precipitation. | Excessive rate. Began— | Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | | | | | |

Excessive precipitation, accumulated amounts ____

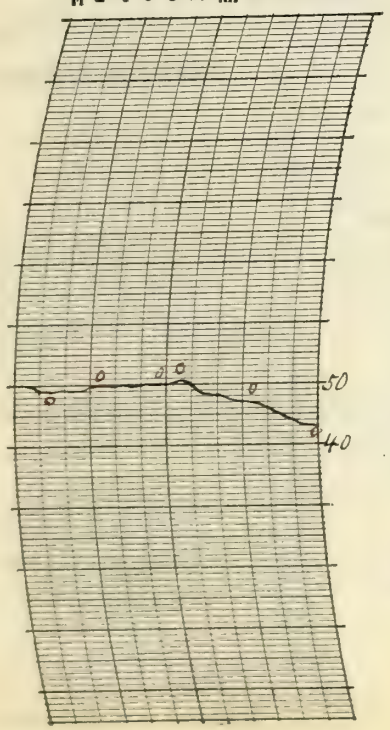
| Maximum Temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 51 | 43 | 47 | |

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., .11 ins.; to 7 p. m., .16 ins.
Total precipitation, midnight to midnight, 0.27 inches.
Character of day, Cloudy Moon phase, ____
Average daily cloudiness (0-10), 10
Actual sunshine, hours, 0.5 Possible sunshine, hours, 13.4
Per cent of possible sunshine, 4
Prevailing wind direction, SE, NE Total wind, 187
Average hourly velocity, 7.8 Extreme velocity, 17
Maximum velocity, 16 Direction, SE
Time began, 4:24 P.M.
Reduced barometer, 29.74 7 a. m. 29.73 7 p. m.
River gage, 8.1 feet
Relative humidity, 96 7 a. m. 79 7 p. m.

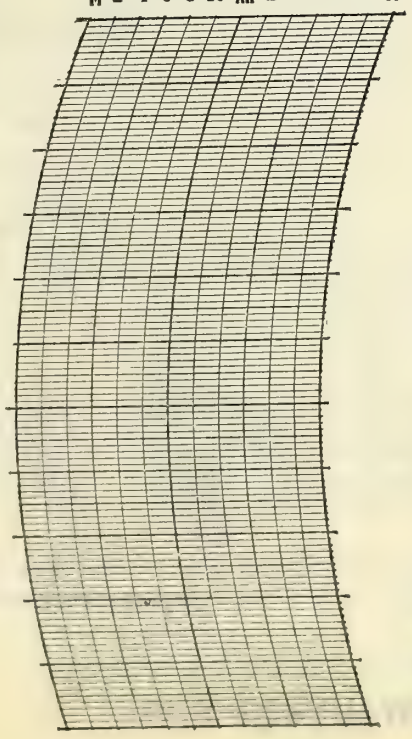
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 50.5 Wet temperature, 49.3
Dew-point, 48 R. humidity, 92 V. pressure, .334
Clouds: Amount, 10; Kind, St; Direction, NE
Velocity of clouds (miles per hour) ____

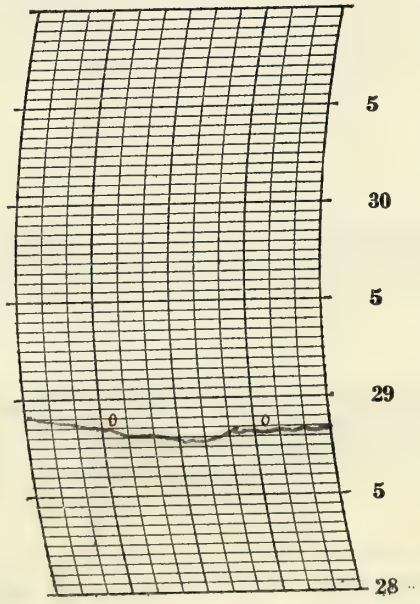
THERMOGRAPH




THERMOGRAPH




BAROGRAPH.




Prepared by R. E. L.

Verified by L. C. J.

8—486

## NOTES

Lying conditions poor to fair. Ceilings mostly five hundred or slightly more. Visibility one to five miles.

Form No. 1014—Met'l

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Tuesday, (Date) APR 18 1933, 193

Time (local standard) 90 mer. normal time.

| | A.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 | P.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Temperature at end of hour (43) | 44 | 44 | 44 | 45 | 45 | 45 | 46 | 46 | 47 | 49 | 50 | 51 | 51 | 51 | 51 | 51 | 51 | 50 | 50 | 49 | 48 | 48 | 48 | 48 |
| State of weather. Nature of precipitation and time of beginning and ending | | | | | | Rmist 5:20 very light mist | | | | Rmist E 9:15 Ro 9:45 | | | | RE 2:00 | | | | | | | | | | |
| Amounts of precipitation | | | | | | T | T | T | T | T | T | T | T | .01 | | | | | | | | | | |
| Cloudiness and other conditions | ← Cloudy | | | | | | | | | | | | → Clear OX Cloudy Cloudy | | | | | | | | | | | |
| Sunshine (in tenths of hours) | | | | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.1 | 0.3 | 0.1 | 0.2 | 0.2 | 0.1 | 0.1 | | | | | | |
| Wind direction | NE | N | NE | NE | NE | N | NE | NE | N | N | N | N | N | N | NE | NE | NE | NE | NE | N | N | NE | NE | NE |
| Wind movement | 7 | 6 | 9 | 9 | 8 | 7 | 9 | 9 | 8 | 6 | 9 | 10 | 12 | 12 | 13 | 14 | 14 | 12 | 9 | 8 | 8 | 7 | 9 | 6 |

Sunrise: Time, 4:57 Character, Cloudy
Moonrise:
Sunset: Time, 6:23 Character, Cloudy
Moonset:

Maximum velocities (exceeding 24 miles) direction and time

Wind data corrected to true velocity.

| Maximum Temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 52 | 43 | 48 | |

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., T ins.; to 7 p. m., .01 ins.
Total precipitation, midnight to midnight, .01 inches.
Character of day, Cloudy Moon phase,
Average daily cloudiness (0-10), 9
Actual sunshine, hours, 1.1 Possible sunshine, hours, 13.4
Per cent of possible sunshine, 8
Prevailing wind direction, NE Total wind, 222.1
Average hourly velocity, 9.2 Extreme velocity, 18
Maximum velocity, 17 Direction, NE
Time began, 3:51 P.M.
Reduced barometer, 29.80 7 a. m. 29.93 7 p. m.
River gage, 10.9 feet
Relative humidity, 95 7 a. m. 81 7 p. m.

OBSERVATIONS AT 12 NOON.
(Local Mean Time.)
Dry temperature, 51.0 Wet temperature, 47.1
Dew-point, 43 R. humidity, 76 V. pressure, 277
Clouds: Amount, 10; Kind, Stu; Direction, NE
Velocity of clouds (miles per hour)

| Excessive precipitation, accumulated amounts | Total duration. From— | To— | Total amount of precipitation. | Excessive rate. Began— | Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | | | | | | |

THERMOGRAPH
M 2 4 6 8 10 XII 2 4 6 8 10 M
60 50 40

THERMOGRAPH
M 2 4 6 8 10 XII 2 4 6 8 10 M

BAROGRAPH.
M 2 4 6 8 10 XII 2 4 6 8 10 M
5 30 5 29 5 28

Prepared by R C L
Verified by L.C.S.

8—486

## NOTES

Ceilings mostly ample for flying. Visibility two to seven miles.

Form No. 1014—Met'1

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(Station) Fort Wayne Ind., (Day of week) Wednesday, (Date) APR 19 1899, 193

Time (local standard) 90 mer. normal time.

| | A.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 | P.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Temperature at end of hour | 47 | 48 47 | 47 | 46 | 47 | 47 | 48 | 48 | 49 | 50 | 52 | 53 | 53 | 53 | 54 | 55 | 55 | 53 | 53 | 52 | 52 | 52 | 51 | 50 |
| State of weather. Nature of precipitation and time of beginning and ending | | | R mist B DNA | | | | | | R E 9.00 | | | | R B 12:40 | very light | R E 2:15 | | | | R mist B 6:15 | R E 7:55 | | | | |
| Amounts of precipitation | | | T | T | T | T | .01 | T | T | | | | T | T | T | | | | T | T | | | | |
| Cloudiness and other conditions | ← | | | | | | | | | | | | | | | | | | | | > | | | |
| | | | | | Lt Fog | | | | | | | | | | | | | | | | | | | |
| | Sunrise: Time, 4:56 Character, Cloudy Moonrise: | | | | | | | | | | | | | | | | | | | | Sunset: Time, 6:24 Character, Cloudy Moonset: | | | |
| Sunshine (in tenths of hours) | | | | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | |
| Wind direction | NE | NE | NE | N | N | N | N | N | N | N | N | N | N | NE | NE | NE | NE | NE | NE | NE | NE | NE | NE | NE |
| Wind movement | 5 | 6 | 6 | 8 | 7 | 7 | 7 | 7 | 9 | 9 | 10 | 11 | 9 | 8 | 9 | 10 | 9 | 10 | 9 | 9 | 12 | 12 | 10 | 10 |
| Maximum velocities (exceeding 24 miles) direction and time | | | | | | | | | | | | | | | | | | | | | | | | |

Wind data corrected to true velocity.

| | Total duration. From— | To— | Total amount of precipitation. | Excessive rate. Began— | Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Excessive precipitation, accumulated amounts | | | | | | | | | | | | | | | | | | | | |

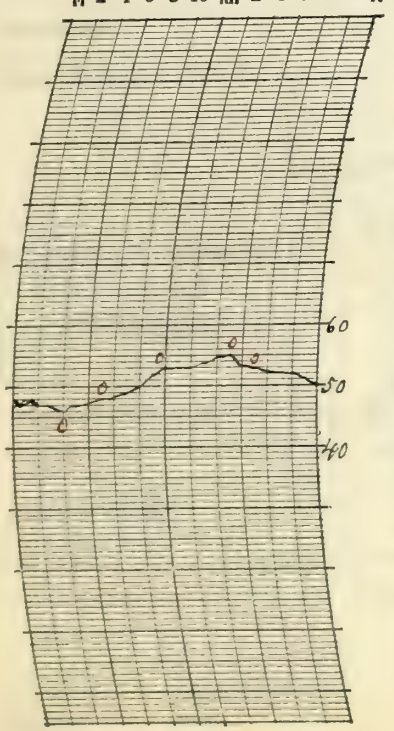
| Maximum Temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 55 | 46 | 50 | |

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., .01 ins.; to 7 p. m., T ins.
Total precipitation, midnight to midnight, .01 inches.
Character of day, Cloudy Moon phase,
Average daily cloudiness (0-10), 10
Actual sunshine, hours, 0.4 Possible sunshine, hours, 13.5
Per cent of possible sunshine, 3
Prevailing wind direction, NE Total wind, 209
Average hourly velocity, 8.7 Extreme velocity, 16
Maximum velocity, 15 Direction, NE
Time began, 8:21 PM.
Reduced barometer, 30.07 7 a. m. 30.12 7 p. m.
River gage, 10.8 feet
Relative humidity, 95 7 a. m. 90 7 p. m.

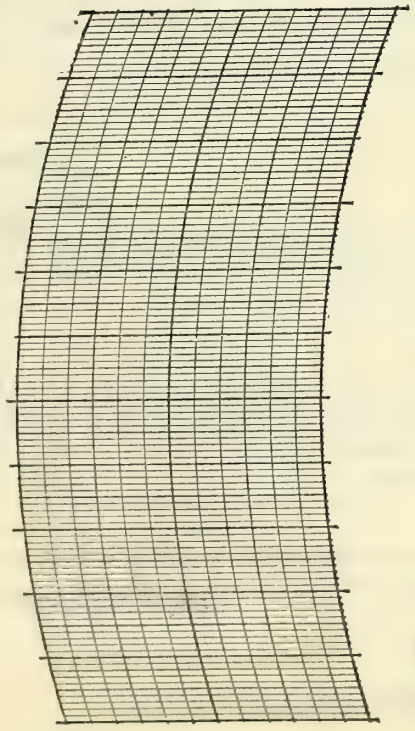
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 53.2 Wet temperature, 50.0
Dew-point, 47 R. humidity, 80 V. pressure, 322
Clouds: Amount, 10.; Kind, St Cu; Direction, N
Velocity of clouds (miles per hour)

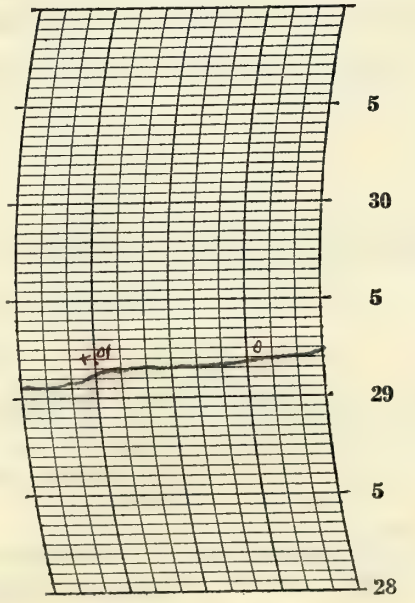
THERMOGRAPH




THERMOGRAPH




BAROGRAPH.




Prepared by R C N

Verified by L.C.S.

8—486

## NOTES

Visibility from ½ to 6 miles.
ceilings 500 to 1,000 ft.
Mist during most of the
day was extremely light and fine.

Form No. 1014—Met'1

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Thursday, (Date) APR 20 1933, 193

Time (local standard) 90 mer. normal time.

| | A.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 | P.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Temperature at end of hour 50 | 49 | 48 | 48 | 48 | 48 | 48 | 50 | 51 | 51 | 52 | 52 | 54 | 57 | 58 | 58 | 59 | 56 | 54 | 53 | 50 | 49 | 47 | 46 | 46 |
| State of weather. Nature of precipitation and time of beginning and ending | | | | | | | | | | | | | | | | | | | | | | | | |
| Amounts of precipitation | | | | | | | | | | | | | | | | | | | | | | | | |
| Cloudiness and other conditions | | | | Part Cloudy | x | Cloudy | x | Cloudy | | | | Part Cloudy | x | Cloudy | x | Clear | x | Cloudy | x | Clear | — | — | — | 7 |
| Sunshine (in tenths of hours) | | | | | .10 0 | 0.1 0 | 0.3 0.4 | 0 | 0.4 | 0 | 0 | 0.7 | 1.0 | 1.0 | 0.8 | 1.0 | 0.5 | 0.3 0 | .43 0 | | | | | |
| Wind direction | E | NE | E | NE | NE | NE | NE | NE | E | E | E | NE | NE | NE | NE | E | NE | NE | E | NE | NE | NE | NE | NE |
| Wind movement | 9 | 9 | 8 | 9 | 9 | 9 | 11 | 9 | 9 | 10 | 10 | 12 | 13 | 13 | 12 | 12 | 12 | 12 | 10 | 10 | 9 | 9 | 9 | 7 |
| Maximum velocities (exceeding 24 miles) direction and time | | | | | | | | | | | | | | | | | | | | | | | | |

Sunrise: Time, 4:54 Character, clear
Moonrise: ---
Sunset: Time, 6:26 Character, clear after
Moonset: 5:40

Wind data corrected to true velocity.

| Excessive precipitation, accumulated amounts | Total duration. From— | To— | Total amount of precipitation. | Excessive rate. Began— | Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | | | | | | |

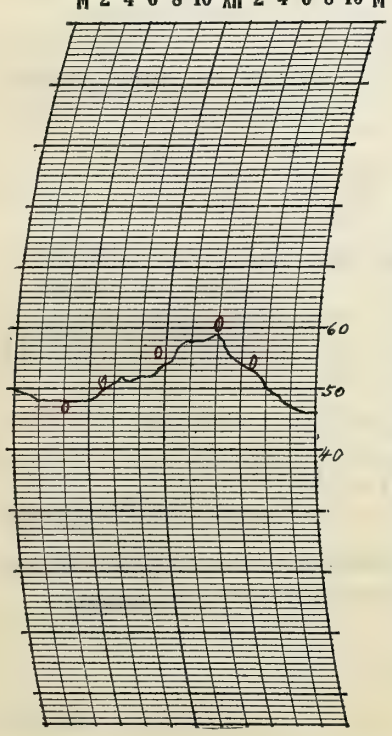
| Maximum Temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 59 | 46 | 52 | |

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., T ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Part Cloudy. Moon phase,
Average daily cloudiness (0-10), 7
Actual sunshine, hours, 7.9 Possible sunshine, hours, 13.5
Per cent of possible sunshine, 59
Prevailing wind direction, NE Total wind, 242
Average hourly velocity, 10.1 Extreme velocity, 16
Maximum velocity, 15 Direction, NE
Time began, 1:29 P.M.
Reduced barometer, 30.21 7 a. m. 30.18 7 p. m.
River gage, 8.9 feet
Relative humidity, 82 7 a. m. 73 7 p. m.

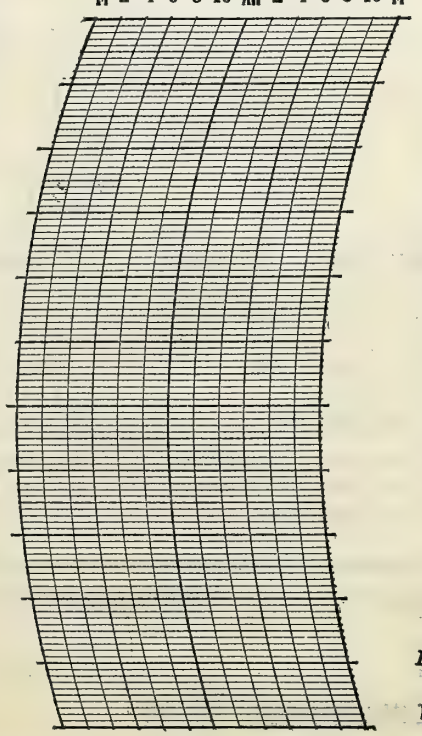
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 54.2 Wet temperature, 49.0
Dew-point, 44 R. humidity, 69 V. pressure, .287
Clouds: Amount, 7; Kind, cu; Direction, NE
Velocity of clouds (miles per hour)

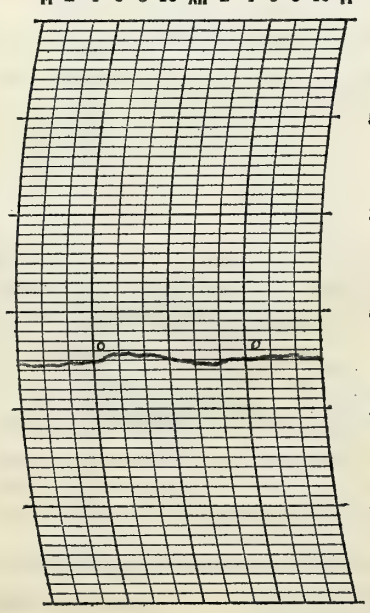
THERMOGRAPH




THERMOGRAPH




BAROGRAPH.




Prepared by R E L

Verified by L. C. S.

8—486

## NOTES

Drying conditions excellent.

Form No. 1014—Met'1

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Friday, (Date) APR 21 1933, 193

Time (local standard) 90 mer. normal time.

| | A.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 | P.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Temperature at end of hour | 45 | 45 | 44 | 43 | 42 | 44 | 47 | 49 | 52 | 55 | 56 | 60 | 62 | 63 | 66 | 65 | 64 | 63 | 60 | 56 | 55 | 53 | 50 | 46 |
| State of weather. Nature of precipitation and time of beginning and ending | | | | | — | — | — | Clear | — | — | — | — | — | — | — | — | — | — | — | — | — | → | | |
| Amounts of precipitation | | | | | | | | | | | | | | | | | | | | | | | | |
| Cloudiness and other conditions | | | | | | | | | | | | | | | | | | | | | | | | |
| Sunrise: Time, 4:53 Character, Clear | | | | | | | | | | | | | | | | | | | | | Sunset: Time, 6:27 Character, Clear | | | |
| Moonrise: | | | | | | | | | | | | | | | | | | | | | Moonset: | | | |
| Sunshine (in tenths of hours) | | | | | .12 0 | 0.7 0.3 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 0.9 0.8 | .45 0 | | | | | |
| Wind direction | NE | E | E | E | NE | NE | NE | E | NE | E | NE | NE | NE | NE | NE | NE | E | E | E | E | NE | NE | NE | NE |
| Wind movement | 7 | 8 | 7 | 7 | 8 | 6 | 6 | 9 | 9 | 9 | 9 | 10 | 11 | 12 | 12 | 12 | 11 | 8 | 6 | 6 | 5 | 9 | 10 | 14 |
| Maximum velocities (exceeding 24 miles) direction and time | | | | | | | | | | | | | | | | | | | | | | | | |

Wind data corrected to true velocity.

| Excessive precipitation, accumulated amounts | Total duration. From— | To— | Total amount of precipitation. | Excessive rate. Began— | Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | | | | | | |

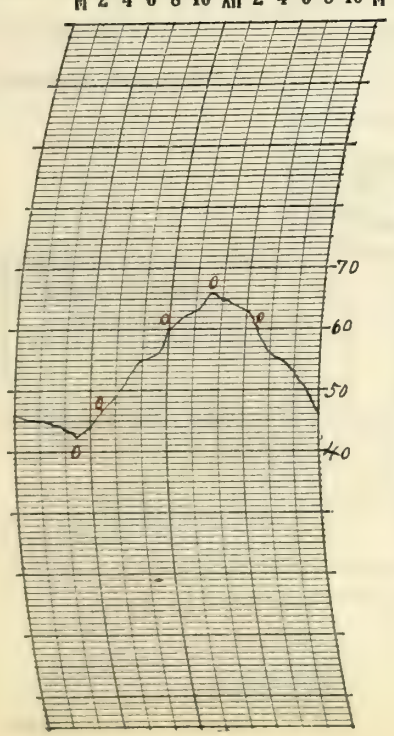
| Maximum Temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 66 | 42 | 54 | |

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Clear Moon phase,
Average daily cloudiness (0-10), Fair
Actual sunshine, hours, 13.6 Possible sunshine, hours, 13.6
Per cent of possible sunshine, 100
Prevailing wind direction, NE Total wind, 211
Average hourly velocity, 8.8 Extreme velocity, 17
Maximum velocity, 16 Direction, NE
Time began, 11:54 PM.
Reduced barometer, 30.20 7 a. m. 30.10 7 p. m.
River gage, 7.9 feet
Relative humidity, 59 7 a. m. 40 7 p. m.

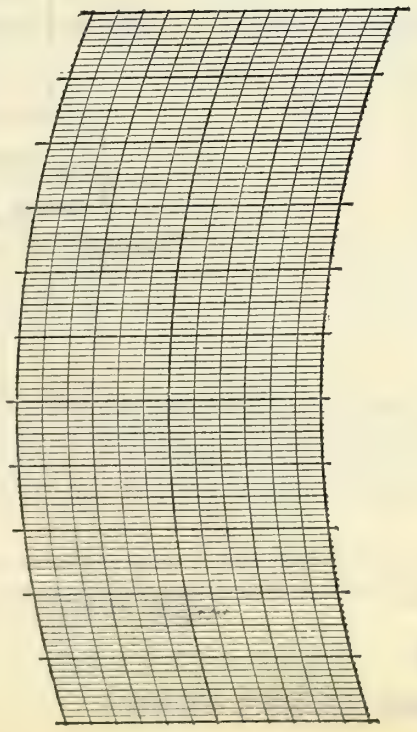
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 60.0 Wet temperature, 49.5
Dew-point, 39 R. humidity, 46 V. pressure, .237
Clouds: Amount, 0; Kind, —; Direction, —
Velocity of clouds (miles per hour)

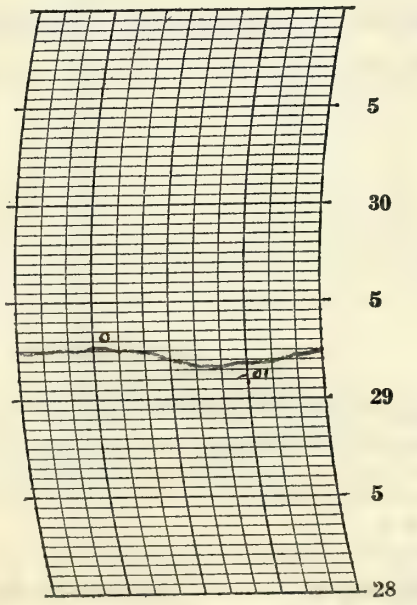
THERMOGRAPH




THERMOGRAPH




BAROGRAPH.




Prepared by R E L

Verified by L. C. S.

8—486

## NOTES

Lasing conditions excellent.

Form No. 1014—Met'l

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Saturday, (Date) APR 22 1933, 193

Time (local standard) 90 mer. normal time.

| | A.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 | P.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Temperature at end of hour 46 | 43 | 40 | 38 | 37 | 36 | 37 | 36 | 37 | 40 | 41 | 45 43 | 44 | 46 | 47 | 48 | 49 | 48 | 47 | 45 | 43 | 41 | 39 | 37 | 36 |
| State of weather. Nature of precipitation and time of beginning and ending | | | | | | | | | | | | | | | | | | | | | | | | |
| Amounts of precipitation | | | | | | | | | | | | | | | | | | | | | | | | |
| Cloudiness and other conditions | | | | Cloudy | × | | | | | | | | Clear | | | | | | | | | | | |
| Sunshine (in tenths of hours) | | | | | 0 | 0.2 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 0.4 0.6 | .47 0 | | | | | |
| Wind direction | NE | NE | NE | NE | NE | NE | NE | NE | NE | NE | NE | NE | NE | NE | NE | NE | NE | NE | NE | E | E | E | E | E |
| Wind movement | 14 | 15 | 12 | 15 | 16 | 15 | 17 | 18 | 16 | 16 | 15 | 13 | 14 | 14 | 13 | 13 | 12 | 10 | 8 | 7 | 6 | 6 | 6 | 5 |
| Maximum velocities (exceeding 24 miles) direction and time | | | | | | | | | | | | | | | | | | | | | | | | |

Sunrise: Time, 4:51 Character, Cloudy. Moonrise:

Sunset: Time, 6:28 Character, Clear. Moonset:

Wind data corrected to true velocity.

| Total duration. From— | To— | Total amount of precipitation. | Excessive rate. Began— | Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | | | | | |

Excessive precipitation, accumulated amounts

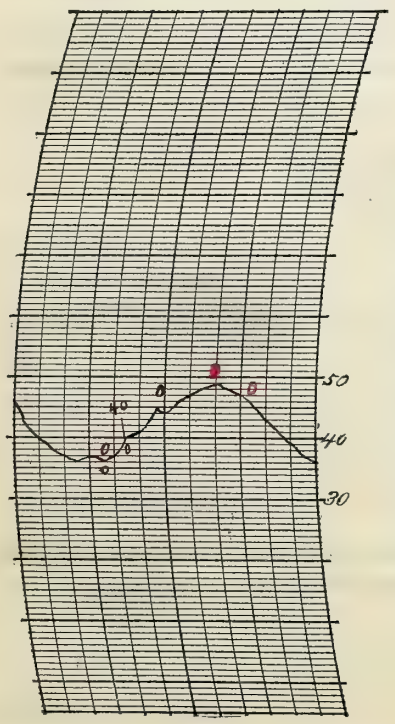
| Maximum Temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 49 | 36 | 42 | |

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Clear Moon phase,
Average daily cloudiness (0-10), Few
Actual sunshine, hours, 12.7 Possible sunshine, hours, 13.6
Per cent of possible sunshine, 93
Prevailing wind direction, NE Total wind, 298
Average hourly velocity, 12.4 Extreme velocity, 22
Maximum velocity, 21 Direction, NE
Time began, 6 40 a. m.
Reduced barometer, 30.30 7 a. m. 30.29 7 p. m.
River gage, 7.8 feet
Relative humidity, 49 7 a. m. 45 7 p. m.

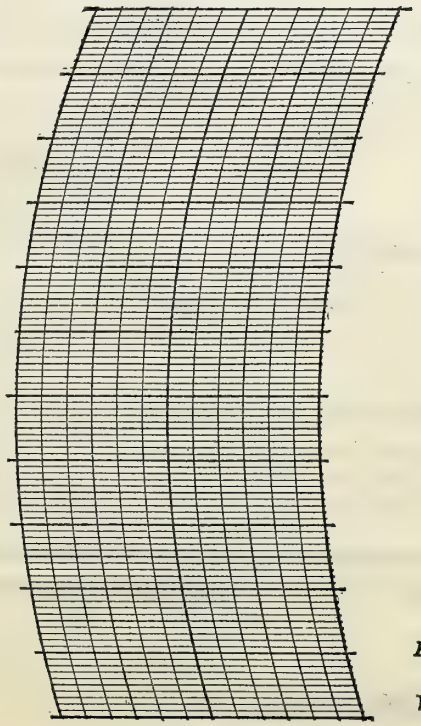
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 44.4 Wet temperature, 35.9
Dew-point, 23 R. humidity, 41 V. pressure, .118
Clouds: Amount, 0; Kind, —; Direction, —
Velocity of clouds (miles per hour)

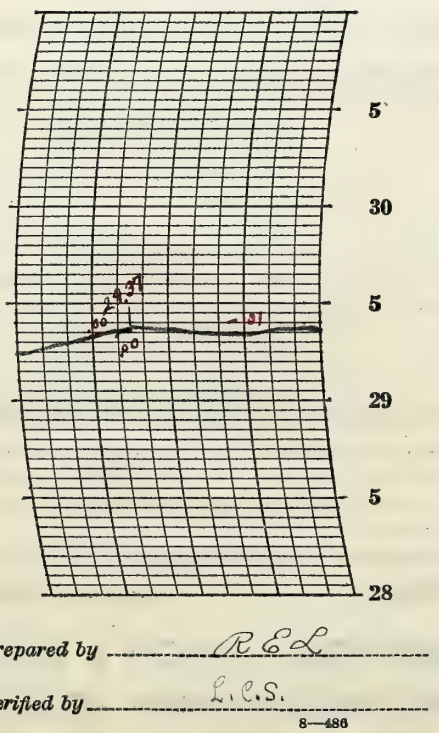
THERMOGRAPH




THERMOGRAPH




BAROGRAPH.




Prepared by R E L

Verified by L. C. S.

8—486

## NOTES

Flying conditions excellent.
Visibility 10 to 20 miles.
Frost warning received and issued at 8:30 a.m.

Form No. 1014—Met'1

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Sunday, (Date) APR 23 1933, 193

Time (local standard) 90 mer. normal time.

| | A.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 | P.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Temperature at end of hour | 34 | 33 | 33 | 32 | 32 | 34 | 35 | 39 | 43 | 45 | 48 | 51 | 53 | 55 | 57 | 56 | 58 | 56 | 55 | 52 | 50 | 48 | 47 | 45 |
| State of weather. Nature of precipitation and time of beginning and ending | | | | | | | | | | | | | | | | | | | | | | | | |
| Amounts of precipitation | | | | | | | | | | | | | | | | | | | | | | | | |
| Cloudiness and other conditions | | | | | | ← | | | | | | Clear | | | | | | | | | | | | → |
| Sunshine (in tenths of hours) | | | | | .17 0 | 0.6 0.1 | 0.9 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 0.1 0.9 | .48 0 | | | | | |
| Wind direction | E | NE | NE | NE | NE | NE | NE | E | E | ESE | SE | SE | S | W | SW | SW | SW | SW | W | W | SW | SW | SW | SW |
| Wind movement | 5 | 5 | 5 | 2 | 3 | 4 | 5 | 6 | 6 | 6 | 5 | 6 | 6 | 8 | 7 | 6 | 9 | 8 | 7 | 5 | 5 | 5 | 5 | 5 |
| Maximum velocities (exceeding 24 miles) direction and time | | | | | | | | | | | | | | | | | | | | | | | | |

Sunrise: Time, 4:50 Character, Clear

Moonrise:

Sunset: Time, 6:29 Character, Clear

Moonset:

Wind data corrected to true velocity.

Excessive precipitation, accumulated amounts

| Total duration. From— | To— | Total amount of precipitation. | Excessive rate. Began— | Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | | | | | |

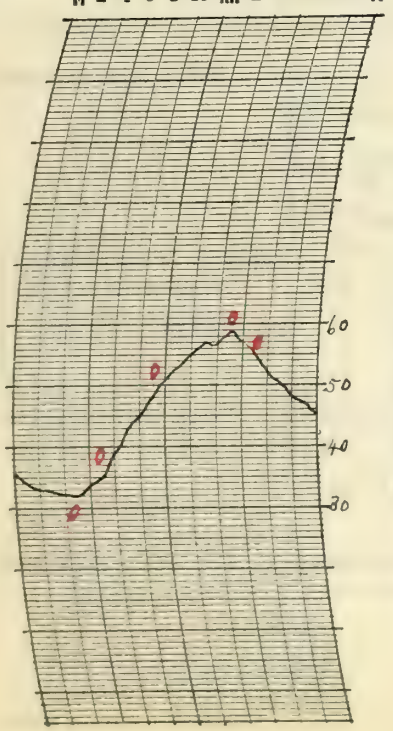
| Maximum Temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 58 | 32 | 45 | |

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Clear Moon phase,
Average daily cloudiness (0-10), Few
Actual sunshine, hours, 13.2 Possible sunshine, hours, 13.6
Per cent of possible sunshine, 97
Prevailing wind direction, SW Total wind, 134
Average hourly velocity, 5.6 Extreme velocity, 10
Maximum velocity, 10 Direction, SW
Time began, 4:54 PM.
Reduced barometer, 30.27 a. m. 30.02 p. m.
River gage, 6.1 feet
Relative humidity, 61 a. m. 32 p. m.

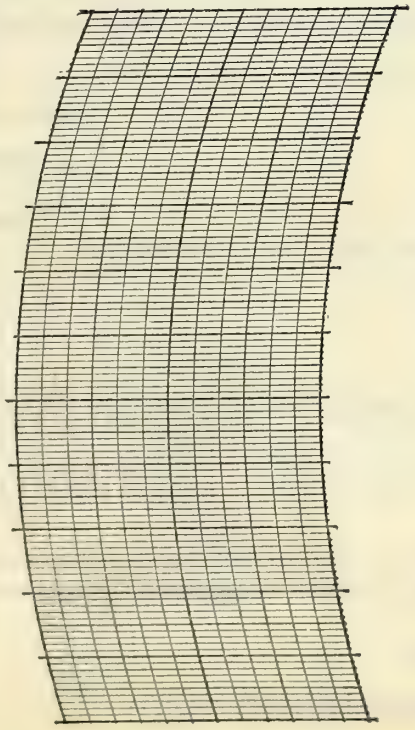
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 50.6 Wet temperature, 37.6
Dew-point, 16 R. humidity, 23 V. pressure, .085
Clouds: Amount, Few; Kind, Cu St; Direction, ?
Velocity of clouds (miles per hour)

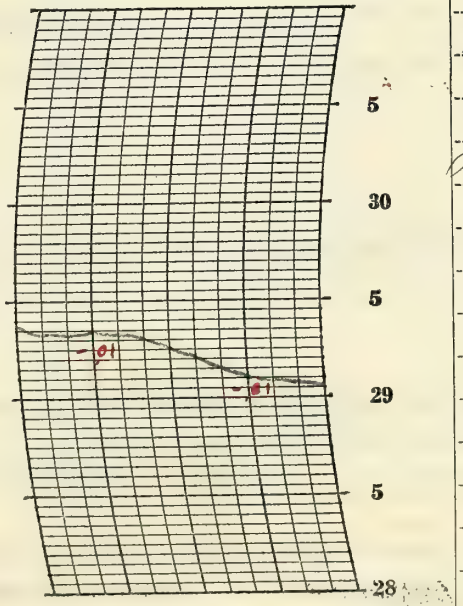
THERMOGRAPH




THERMOGRAPH




BAROGRAPH.




Prepared by R E L

Verified by L. C. S.

8—486

## NOTES

Ceilings unlimited. Visibility excellent.

Heavy frost this a.m. verified yesterdays warning.

Due to wet ground very little planting has been done so damage from frost was slight.

Form No. 1014—Met'l

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Monday, (Date) APR 24 1933, 193

Time (local standard) 90 mer. normal time.

| | A.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 | P.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Temperature at end of hour | 44 | 43 | 42 | 41 | 40 | 42 | 45 | 53 | 56 | 58 | 59 | 60 | 62 | 62 | 63 | 64 | 62 | 61 | 60 | 56 | 54 | 50 | 49 | 48 |
| State of weather. Nature of precipitation and time of beginning and ending | | | | | | | | | | | | | | | | | | | | | | | | |
| Amounts of precipitation | | | | | | | | | | | | | | | | | | | | | | | | |
| Cloudiness and other conditions | | | | | Clear | | × | Part Cloudy | | | × | | Cloudy | | × | | Part Cloudy | | × | | Clear | | | |
| Sunrise: Time, 4:48 Character, Clear / Moonrise: | | | | | | | | | | | | | | | | | | | | | Sunset: Time, 6:30 Character, Cloudy / Moonset: | | | |
| Sunshine (in tenths of hours) | | | | | .20 0 | 0.6 0.4 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 0.7 | 0.6 | 0 | | | | | |
| Wind direction | SW | SW | SW | SW | SW | SW | SW | SW | SW | SW | W | SW | SW | W | SW | W | W | W | W | W | W | SW | SW | SW |
| Wind movement | 5 | 5 | 7 | 7 | 7 | 8 | 8 | 7 | 10 | 12 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 10 | 8 | 7 | 7 | 9 | 9 | 9 |
| Maximum velocities (exceeding 24 miles) direction and time | | | | | | | | | | | | | | | | | | | | | | | | |

Wind data corrected to true velocity.

| Total duration. From— | To— | Total amount of precipitation. | Excessive rate. Began— | Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | | | | | |

Excessive precipitation, accumulated amounts

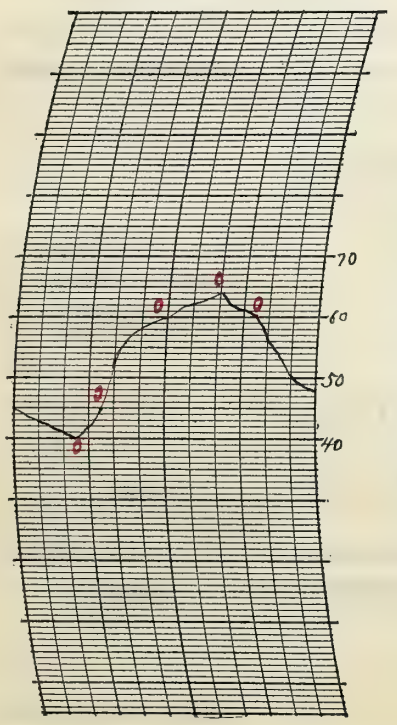
| Maximum Temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 64 | 40 | 52 | |

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Part Cloudy Moon phase,
Average daily cloudiness (0-10), 6
Actual sunshine, hours, 12.5 Possible sunshine, hours, 13.7
Per cent of possible sunshine, 91
Prevailing wind direction, SW Total wind, 212
Average hourly velocity, 8.8 Extreme velocity, 15
Maximum velocity, 14 Direction, W
Time began, 1:34 p.m.
Reduced barometer, 29.89 7 a. m. 29.66 7 p. m.
River gage, 5.1 feet
Relative humidity, 54 7 a. m. 36 7 p. m.

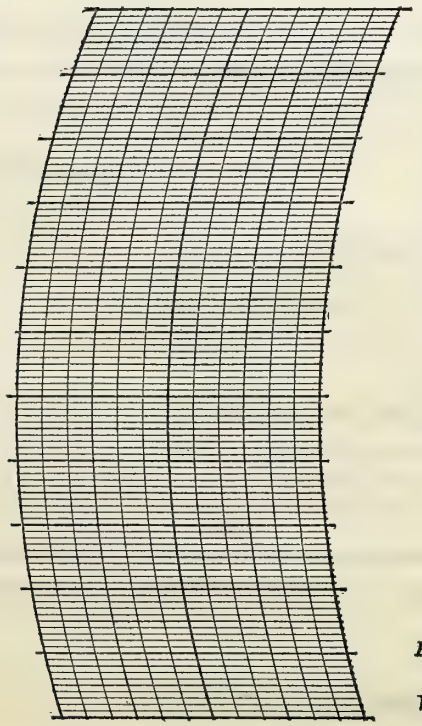
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 60.0 Wet temperature, 45.0
Dew-point, 26 R. humidity, 27 V. pressure, 29.36
Clouds: Amount, 4; Kind, Cu Sc; Direction, W
Velocity of clouds (miles per hour)

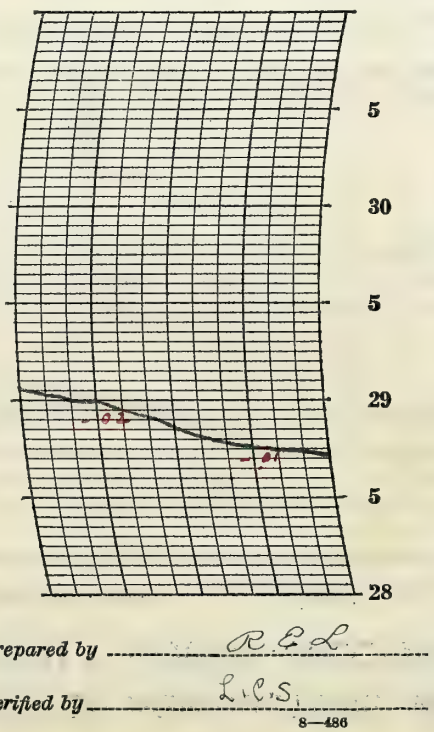
THERMOGRAPH




THERMOGRAPH




BAROGRAPH.




Prepared by R E L

Verified by L. C. S.

8—486

## NOTES

Heavy Frost this morning. No damage.
Solar halo 8:10 - 8:30 a.m. Faint and intermittent.
Flying conditions excellent.

Form No. 1014—Met'1

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(Station) Fort Wayne Ind, (Day of week) Tuesday, (Date) APR 25 1923, 193

Time (local standard) 90 mer. normal time.

| | A.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 | P.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Temperature at end of hour | 47 | 46 | 46 | 47 | 48 | 49 | 50 | 51 | 50 | 53 | 55 | 53 | 47 | 46 | 45 | 45 | 46 | 45 | 43 | 40 | 39 | 38 | 37 | 36 |
| State of weather. Nature of precipitation and time of beginning and ending | | | | | | | | | | | | R 11:41 | | | R 2:50 | | | | | | | | | |
| Amounts of precipitation | | | | | | | | | | | | T | .05 | .08 | .05 | | | | | | | | | |
| Cloudiness and other conditions | | | | Cloudy | | Part Cloudy | | Cloudy | — | — | — | — | — | — | — | — | Part Cloudy | Clear | | | | | | |
| Sunrise: Time, 4:47 Character, Clear | | | | | | | | | | | | | | | | | | | | | | | | |
| Moonrise: | | | | | | | | | | | | | | | | | | | | | | | | |
| Sunset: Time, 6:31 Character, Clear | | | | | | | | | | | | | | | | | | | | | | | | |
| Moonset: | | | | | | | | | | | | | | | | | | | | | | | | |
| Sunshine (in tenths of hours) | | | | | .2 | 1.0 | 0.8 | .4 | 0.9 | 0.8 | 1.0 | 0.4 | 0 | 0 | 0 | 0 | 0 | 0.6 0.1 | .5 2 0 | | | | | |
| Wind direction | SW | SW | SW | W | W | W | WNW | WNW | NW | NW | NW | NW | NW | NW | WNW | WNW | NW | NW | NW | NW | NW | NW | NW | NW |
| Wind movement | 8 | 9 | 9 | 8 | 7 | 6 | 8 | 9 | 10 | 10 | 11 | 12 | 14 | 10 | 10 | 12 | 12 | 11 | 14 | 13 | 12 | 10 | 9 | 7 |
| Maximum velocities (exceeding 24 miles) direction and time | | | | | | | | | | | | | | | | | | | | | | | | |

Wind data corrected to true velocity.

| Total duration. From— | To— | Total amount of precipitation. | Excessive rate. Began— | Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | | | | | |

Excessive precipitation, accumulated amounts

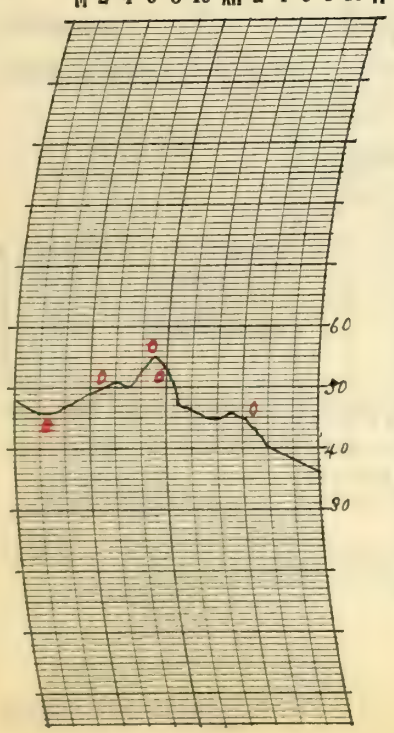
| Maximum Temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 55 | 36 | 46 | |

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., .18 ins.
Total precipitation, midnight to midnight, .18 inches.
Character of day, Cloudy. Moon phase,
Average daily cloudiness (0-10), 8
Actual sunshine, hours, 6.8 Possible sunshine, hours, 13.7
Per cent of possible sunshine, 50
Prevailing wind direction, NW Total wind, 241
Average hourly velocity, 10.0 Extreme velocity, 21
Maximum velocity, 20 Direction, NW
Time began, 12:29 P.M.
Reduced barometer, 29.61 7 a. m. 29.71 7 p. m.
River gage, 4.2 feet
Relative humidity, 71 7 a. m. 67 7 p. m.

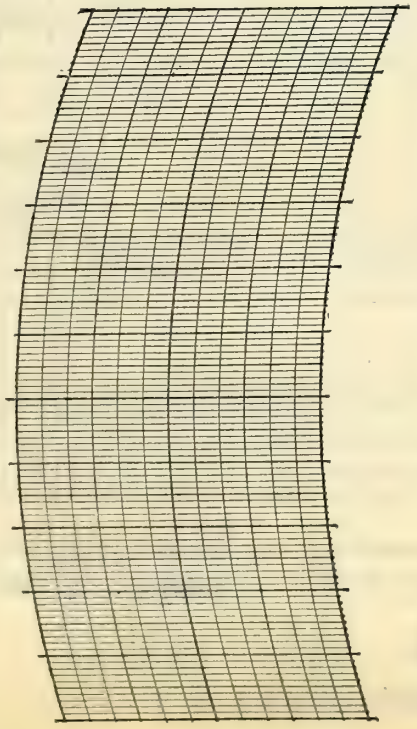
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 52.8 Wet temperature, 48.4
Dew-point, 44 R. humidity, 73 V. pressure, 28.7
Clouds: Amount, 10; Kind, Strat; Direction, NW
Velocity of clouds (miles per hour)

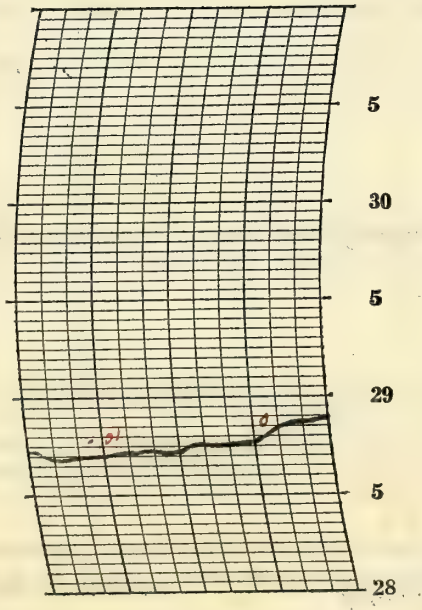
THERMOGRAPH




THERMOGRAPH




BAROGRAPH.




Prepared by R E L

Verified by L. C. S.

8—486

## NOTES

First warning received and issued at 8:30 A.M.

Flying conditions very good to excellent except during rain.

Form No. 1014—Met'1

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Wednesday, (Date) APR 26 1933, 193

Time (local standard) 90 mer. normal time.

| | A.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Temperature at end of hour (36) | 35 | 35 | 33 | 32 | 33 | 34 | 35 | 37 | 39 | 40 | 39 | 40 |
| State of weather. Nature of precipitation and time of beginning and ending | | | | | | | | | | | | |
| Amounts of precipitation | | | | | | | | | | | | |
| Cloudiness and other conditions | | | | | Clear | × | Part Cloudy | × | Cloudy | × | Part Cloudy | × |
| Sunrise: Time, Character, 4:45 Clear. Moonrise: | | | | | | | | | | | | |
| Sunshine (in tenths of hours) | | | | | 25 0 | 1.0 0 | 0.1 0.4 | 0.7 | 1.0 | 0.5 | 0.3 | 1.0 |
| Wind direction | NW | NW | NW | NW | NW | NW | NW | NW | NW | N | N | N |
| Wind movement | 6 | 5 | 5 | 5 | 5 | 5 | 6 | 6 | 6 | 7 | 9 | 12 |
| Maximum velocities (exceeding 24 miles) direction and time | | | | | | | | | | | | |

| | P.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Temperature at end of hour | 42 | 42 | 43 | 46 | 44 | 44 | 41 | 39 | 38 | 37 | 36 | 34 |
| State of weather. Nature of precipitation and time of beginning and ending | | | | | | | | | | | | |
| Amounts of precipitation | | | | | | | | | | | | |
| Cloudiness and other conditions | Part Cloudy × | Cloudy × | Cloudy × | Part Cloudy × | Clear | – | – | – | – | – | – | > |
| Sunset: Time, Character, 6:32 Clear. Moonset: | | | | | | | | | | | | |
| Sunshine (in tenths of hours) | 1.0 | 1.0 | 0.5 | 0.9 | 0.6 | 0.4 0.6 | .53 0 | | | | | |
| Wind direction | NW | NW | NW | NW | NW | NW | NW | NW | NW | NW | ow | SW |
| Wind movement | 10 | 11 | 12 | 11 | 14 | 12 | 12 | 8 | 6 | 5 | 7 | 8 |
| Maximum velocities (exceeding 24 miles) direction and time | | | | | | | | | | | | |

Wind data corrected to true velocity.

| Total duration. From— | To— | Total amount of precipitation. | Excessive rate. Began— | Ended— | Amount before excessive began. |
|---|---|---|---|---|---|
| | | | | | |

Excessive precipitation, accumulated amounts

Accumulated depths during excessive rate, for consecutive periods of time indicated below.

| 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | |

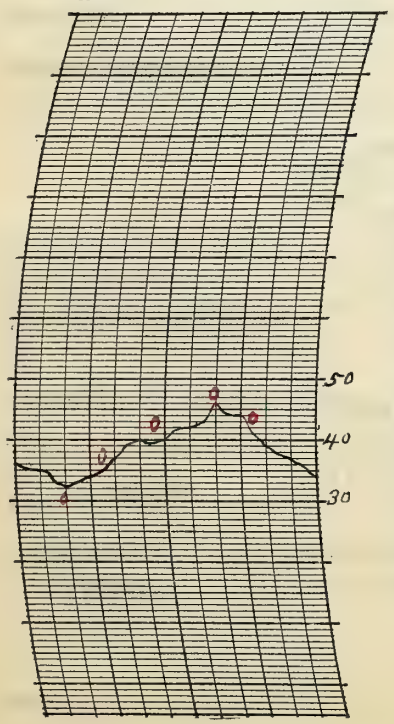
| Maximum Temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 46 | 32 | 39 | |

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Part Cloudy. Moon phase,
Average daily cloudiness (0-10), 6
Actual sunshine, hours, 10.8 Possible sunshine, hours, 13.8
Per cent of possible sunshine, 78
Prevailing wind direction, NW Total wind, 193
Average hourly velocity, 8.0 Extreme velocity, 16
Maximum velocity, 16 Direction, NW
Time began, 5:00 P.M.
Reduced barometer, 29.93 7 a. m. 29.95 7 p. m.
River gage, 3.6 feet
Relative humidity, 52 7 a. m. 39 7 p. m.

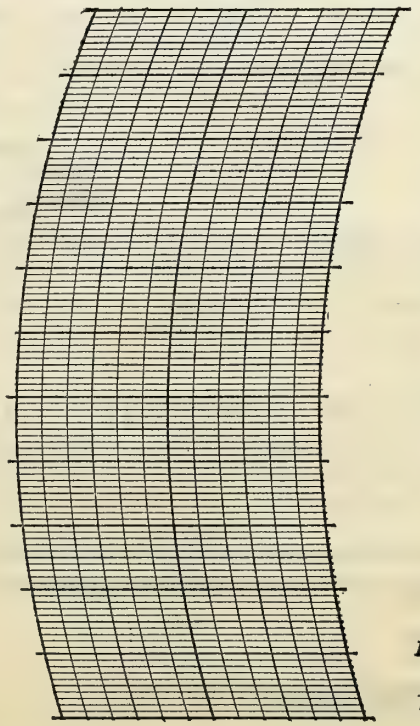
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 40.2 Wet temperature, 33.2
Dew-point, 22 R. humidity, 46 V. pressure, .113
Clouds: Amount, 7; Kind, Ac; Direction, W
Velocity of clouds (miles per hour)

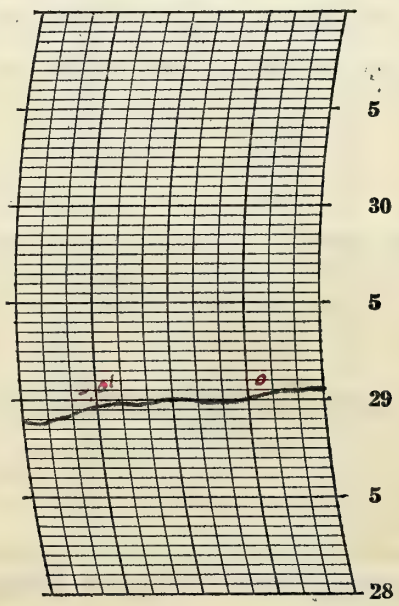
THERMOGRAPH




THERMOGRAPH




BAROGRAPH.




Prepared by R E L

Verified by L.C.S.

8—486

## NOTES

Frost this morning. Heavy but not killing.

Frost warning received and issued at 8:30 a. m.

Flying conditions excellent.

Form No. 1014—Met'1

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(Station) Fort Wayne. Ind., (Day of week) Thursday, (Date) APR 27 1933, 193

Time (local standard) 90 mer. normal time.

| | A.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 | P.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Temperature at end of hour | 34 | 34 | 34 | 34 | 34 | 35 | 38 | 42 | 45 | 46 | 48 | 50 | 51 | 52 | 53 | 54 | 55 | 53 | 52 | 50 | 49 | 48 | 46 | 46 |
| State of weather. Nature of precipitation and time of beginning and ending | | | | | | | | | | | | | | | | | | | | | | | | |
| Amounts of precipitation | | | | | | | | | | | | | | | | | | | | | | | | |
| Cloudiness and other conditions | | | | | | ← | — | — | Clear × | Part Cloudy × | | | — | — | — | — | — | Clear | — | — | — | — | → | |
| Sunshine (in tenths of hours) | | | | | .27 0 | 0.8 0.2 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 0.4 0.6 | .55 0 | | | | | |
| Wind direction | SW | SW | SW | W | W | W | W | W | W | NW | W | W | W | W | W | SW | W | W | W | W | W | SE | SE | S |
| Wind movement | 9 | 8 | 9 | 8 | 6 | 7 | 9 | 10 | 11 | 11 | 11 | 9 | 12 | 11 | 10 | 11 | 11 | 12 | 7 | 5 | 5 | 6 | 7 | 9 |
| Maximum velocities (exceeding 24 miles) direction and time | | | | | | | | | | | | | | | | | | | | | | | | |

Sunrise: Time, 4:44 Character, Clear
Moonrise: ———

Sunset: Time, 6:33 Character, Clear
Moonset: ———

Wind data corrected to true velocity.

| Total duration. From— | To— | Total amount of precipitation. | Excessive rate. Began— | Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | | | | | |

Excessive precipitation, accumulated amounts

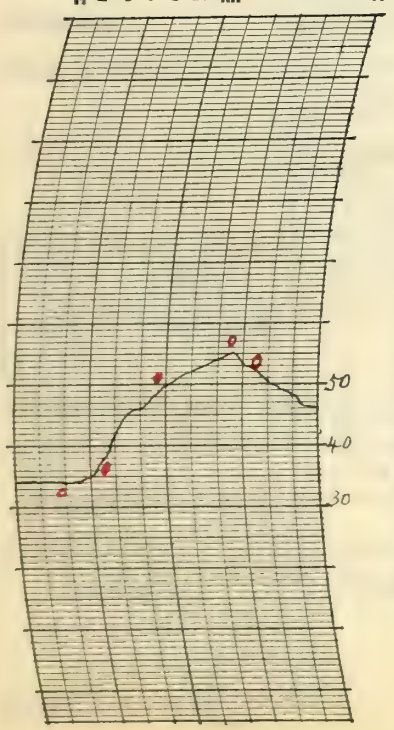
| Maximum Temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 55 | 34 | 44 | |

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Clear Moon phase, ———
Average daily cloudiness (0-10), 2
Actual sunshine, hours, 13.8 Possible sunshine, hours, 13.8
Per cent of possible sunshine, 100
Prevailing wind direction, W Total wind, 214
Average hourly velocity, 8.9 Extreme velocity, 17
Maximum velocity, 15 Direction, W
Time began, 1:48 PM.
Reduced barometer, 30.03 7 a. m. 29.93 7 p. m.
River gage, 3.2 feet
Relative humidity, 55 7 a. m. 39 7 p. m.

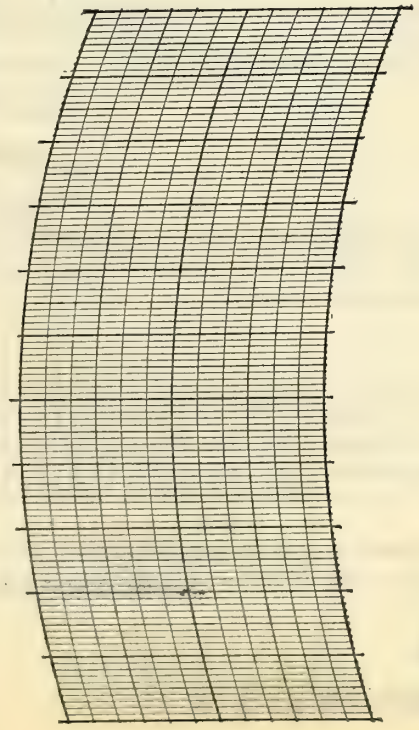
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 49.7 Wet temperature, 38.3
Dew-point, 21 R. humidity, 31 V. pressure, 1.08
Clouds: Amount, 5; Kind, Ci St; Direction, NW
Velocity of clouds (miles per hour)

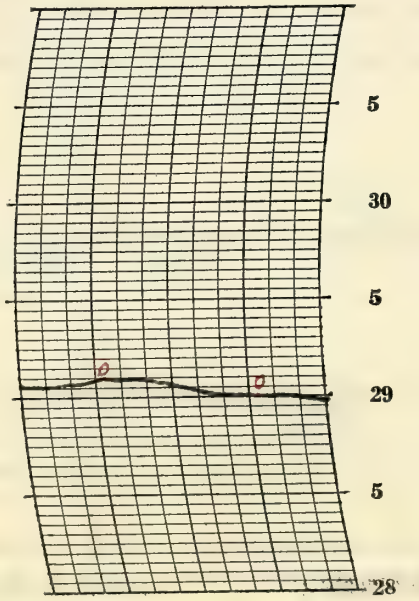
THERMOGRAPH




THERMOGRAPH




BAROGRAPH.




Prepared by R. E. L.

Verified by L. C. S.

8—486

## NOTES

Warning of light frost in exposed places received and issued at 8:30 a.m.

Heavy frost this morning.

Flying conditions excellent.

An unusually brilliant solar halo was observed between 11:30 and 12:30 and intermittently after that with varying brilliance.

Form No. 1014—Met'1

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(Station) Fort Wayne Ind., (Day of week) Friday, (Date) APR 28 1933, 193

Time (local standard) 90 mer. normal time.

| | A.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 | P.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Temperature at end of hour (46) | 45 | 44 | 44 | 42 | 42 | 45 | 47 | 52 | 56 | 60 | 64 | 67 | 69 | 71 | 72 | 73 | 72 | 71 | 69 | 65 | 63 | 62 | 62 | 61 |
| State of weather. Nature of precipitation and time of beginning and ending | | | | | | | | | | | | | | | | | | | | | | | | |
| Amounts of precipitation | | | | | | | | | | | | | | | | | | | | | | | | |
| Cloudiness and other conditions | | | | | Clear | - | x | - | Part | Cloudy | - | x | - | Clear | x | | Cloudy | x | Part Cloudy | | | | | |
| Sunrise: Time, Character, 4:43 Clear. Moonrise: | | | | | | | | | | | | | | | | | | | | | Sunset: Time, Character, 6:34 Cloudy. Moonset: | | | |
| Sunshine (in tenths of hours) | | | | | .2 .0 | 1.0 .0 | 0.3 0.7 | 0.9 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 0.5 | 0 | 0 | | | | | |
| Wind direction | S | S | S | S | S | S | S | S | SW | SW | SW | SW | SW | SW | SW | SW | W | SW | SW | SW | SW | SW | SW | SW |
| Wind movement | 8 | 7 | 9 | 9 | 10 | 12 | 13 | 15 | 19 | 21 | 21 | 21 | 21 | 22 | 21 | 21 | 17 | 11 | 11 | 9 | 9 | 7 | 6 | 7 |
| Maximum velocities (exceeding 24 miles) direction and time | | | | | | | | | | 25 SW 9:32 | | 25 SW 11:25 | | 28 W 1:39 | 25 W 2:34 | 26 SW 3:22 | | | | | | | | |

Wind data corrected to true velocity.

| Total duration. From— | To— | Total amount of precipitation. | Excessive rate. Began— | Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | | | | | |

Excessive precipitation, accumulated amounts

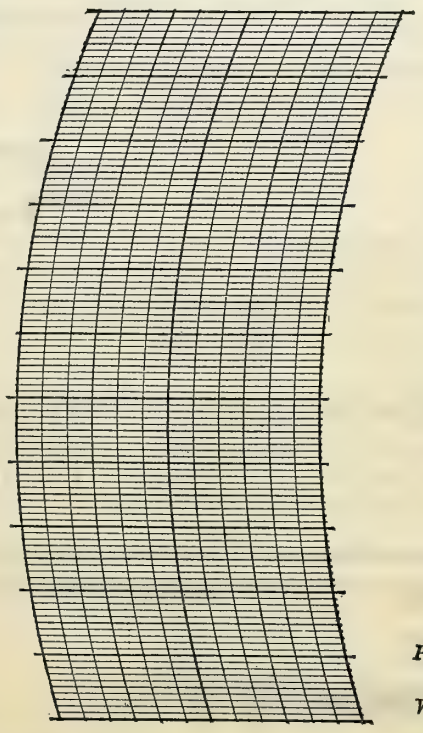
| Maximum Temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 74 | 42 | 58 | |

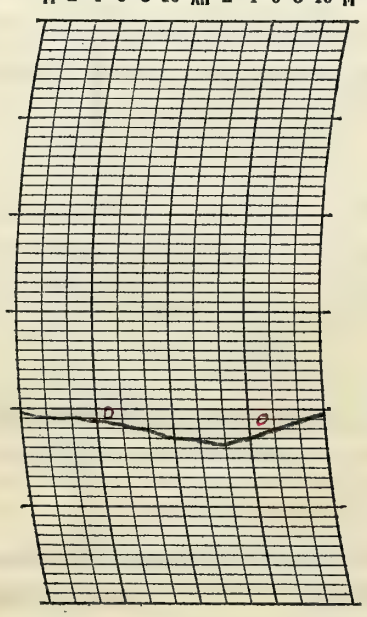
Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day Part Cloudy Moon phase,
Average daily cloudiness (0-10), 5
Actual sunshine, hours, 11.7 Possible sunshine, hours, 13.8
Per cent of possible sunshine, 85
Prevailing wind direction, SW Total wind, 327
Average hourly velocity, 13.6 Extreme velocity, 28
Maximum velocity, 28 Direction, W
Time began, 1:39 PM.
Reduced barometer, 29.86 7 a. m. 29.78 7 p. m.
River gage, 3.1 feet
Relative humidity, 59 7 a. m. 44 7 p. m.

OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 67.0 Wet temperature, 51.2
Dew-point, 25 R. humidity, 31 V. pressure, .203
Clouds: Amount, 3/3; Kind, Cu Cast; Direction, W W
Velocity of clouds (miles per hour)

THERMOGRAPH
M 2 4 6 8 10 XII 2 4 6 8 10 M
80 70 60 50 40




Prepared by R. E. L.

Verified by L. C. S.

8—486

## NOTES

Faint solar halo observed intermittently during mid-day.
Very light frost but no damage.
Flying conditions excellent.

Form No. 1014—Met'1

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(Station) Fort Wayne Ind, (Day of week) Saturday, (Date) APR 29 1933, 193

Time (local standard) 90 mer. normal time.

| | A. M. | | | | | | | | | | | | P. M. | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 | 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 |
| Temperature at end of hour | 60 | 58 | 58 | 58 | 57 | 58 | 60 | 64 | 69 | 73 | 75 | 77 | 78 | 79 | 78 | 77 | 76 | 75 | 73 | 71 | 70 | 69 | 68 | 68 |
| State of weather. Nature of precipitation and time of beginning and ending | | | | | | | | | | | | | | | | | | | | | | | | |
| Amounts of precipitation | | | | | | | | | | | | | | | | | | | | | | | | |
| Cloudiness and other conditions | Part Cloudy × Clear × Part Cloudy × | | | | | | | | | | | | Cloudy | | | | | | | | | | | |
| Sunrise: Time, 4:41 Character, Clear | | | | | | | | | | | | | | | | | | | | | Sunset: Time, 6:35 Character, Cloudy | | | |
| Moonrise: | | | | | | | | | | | | | | | | | | | | | Moonset: | | | |
| Sunshine (in tenths of hours) | | | | | .32 0 | .9 0.1 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 0.6 | 0.1 | 0 | | | | | |
| Wind direction | W | W | W | W | W | W | W | SW | SE | SE | S | S | S | S | S | S | S | S | S | SE SW | SE SW | SE SW | SE SW | SE SW |
| Wind movement | 8 | 6 | 3 | 4 | 6 | 7 | 6 | 7 | 7 | 11 | 13 | 14 | 12 | 15 | 15 | 13 | 15 | 13 | 9 | 9 | 10 | 11 | 12 | 11 |
| Maximum velocities (exceeding 24 miles) direction and time | | | | | | | | | | | | | | | | | | | | | | | | |

Wind data corrected to true velocity.

Excessive precipitation, accumulated amounts

| Total duration. From— | To— | Total amount of precipitation. | Excessive rate. Began— | Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | | | | | |

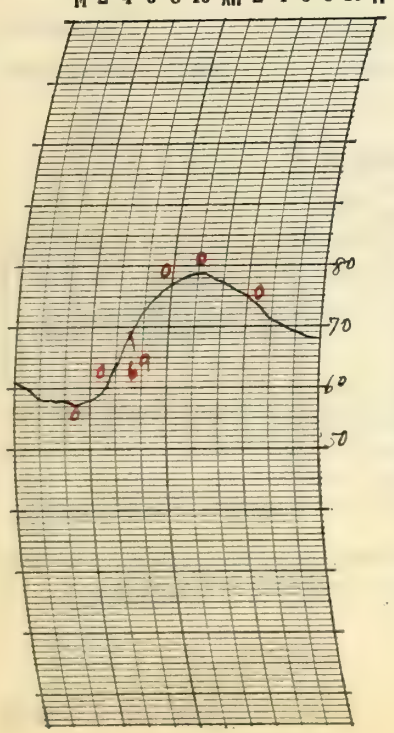
| Maximum Temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 79 | 57 | 68 | |

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Part Cloudy Moon phase,
Average daily cloudiness (0-10), 7
Actual sunshine, hours, 12.0 Possible sunshine, hours, 13.9
Per cent of possible sunshine, 86
Prevailing wind direction, S Total wind, 239
Average hourly velocity, 10.0 Extreme velocity, 18
Maximum velocity, 18 Direction, S
Time began, 1:53 P.M.
Reduced barometer, 29.99 7 a. m. 29.91 7 p. m.
River gage, 2.5 Flood
Relative humidity, 54 7 a. m. 46 7 p. m.

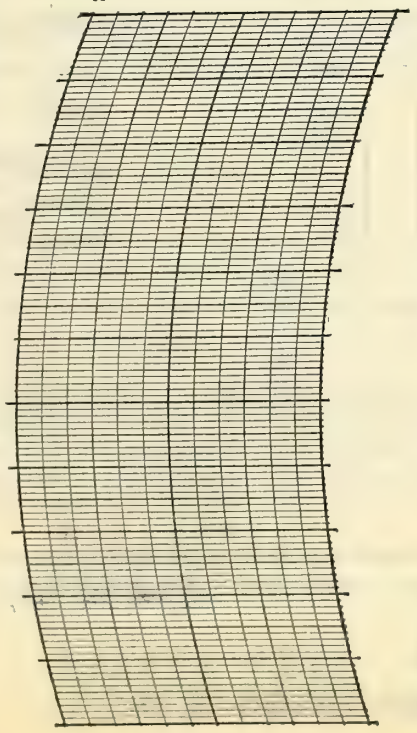
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 77.0 Wet temperature, 60.0
Dew-point, 48 R. humidity, 36 V. pressure, 334
Clouds: Amount, 5 ; Kind, cu ; Direction, SW
Velocity of clouds (miles per hour)

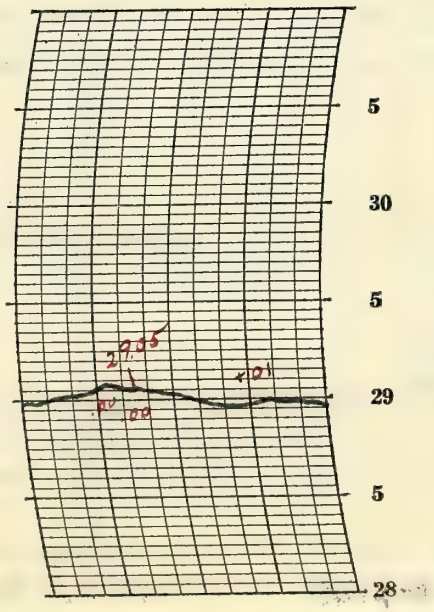
THERMOGRAPH




THERMOGRAPH




BAROGRAPH.




Prepared by R E L

Verified by L. C. S

8—486

## NOTES

Flying conditions excellent.

Form No. 1014—Met'l

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Sunday, (Date) APR 30 1933, 193

Time (local standard) 90 mer. normal time. 68

| | A.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 | P.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Temperature at end of hour | 67 | 67 | 66 | 66 | 67 | 66 | 61 | 60 | 62 | 67 | 69 | 72 | 74 | 76 | 76 | 78 | 78 | 76 | 75 | 74 | 74 | 73 | 64 | 58 |
| State of weather: Nature of precipitation and time of beginning and ending | | | | | | | RB 6:00 | RE 8:00 | | | | | | | | | | | RB 6:40 RE 6:43 | RB 7:50 | RE 8:15 | | | RB DNP |
| State of weather: Amounts of precipitation | | | | | | | .02 | .03 | | | | | | | | | | | T | T | T | | | .28 |
| State of weather: Cloudiness and other conditions | ← Cloudy → | | | | | | | | | | | | ↓ Cloudy | | | | | | | | | | | |
| Sunshine (in tenths of hours) | | | | | 0 | 0 | 0 | 0 | 0.4 | 1.0 | 0.5 | 0.7 | 1.0 | 0.4 | 0.2 | 0.5 | 0 | 0 | 0 | | | | | |
| Wind direction | SE | SE | SE | SE | S | S | S | SE | SE | S | S | S | S | S | S | S | S | S | S | S | S | S | NW | NW |
| Wind movement | 10 | 11 | 12 | 15 | 15 | 15 | 18 | 19 | 19 | 23 | 22 | 21 | 23 | 21 | 22 | 24 | 21 | 21 | 18 | 19 | 19 | 20 | 12 | 11 |
| Maximum velocities (exceeding 24 miles) direction and time | | | | | | | | | | 25 SE 9:44 | 26 S 10:12 | 25 S 11:15 | 25 SE 12:50 | 27 S 1:52 | 29 S 2:00 | 30 S 3:13 | | | | | | | 27 NW 10:36 | |

Sunrise: Time, 4:40 Character, Cloudy

Moonrise:

Sunset: Time, 6:36 Character, Cloudy

Moonset:

Wind data corrected to true velocity.

Excessive precipitation, accumulated amounts

| Total duration. From— | To— | Total amount of precipitation. | Excessive rate. Began— | Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | | | | | |

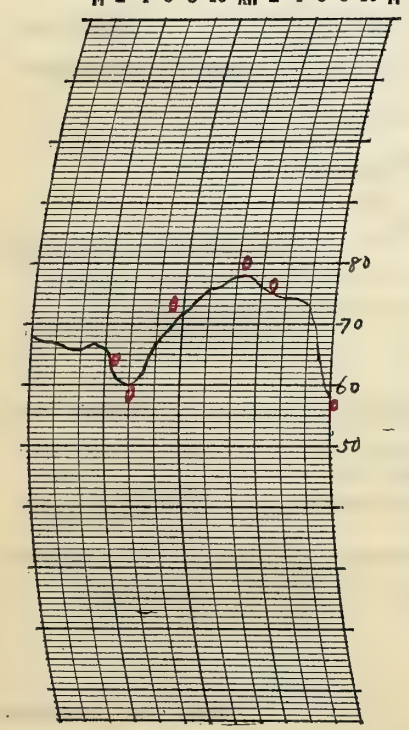
| Maximum Temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 78 | 58 | 68 | |

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., .02 ins.; to 7 p. m., .03 ins.
Total precipitation, midnight to midnight, .33 inches.
Character of day, Cloudy Moon phase,
Average daily cloudiness (0-10), 9
Actual sunshine, hours, 4.7 Possible sunshine, hours, 13.9
Per cent of possible sunshine, 34
Prevailing wind direction, S Total wind, 431
Average hourly velocity, 18.0 Extreme velocity, 32
Maximum velocity, 30 Direction, S
Time began, 3:13 P.M.
Reduced barometer, 29.88 7 a. m. 29.65 7 p. m.
River gage, 2.3 Feet
Relative humidity, 80 7 a. m. 51 7 p. m.

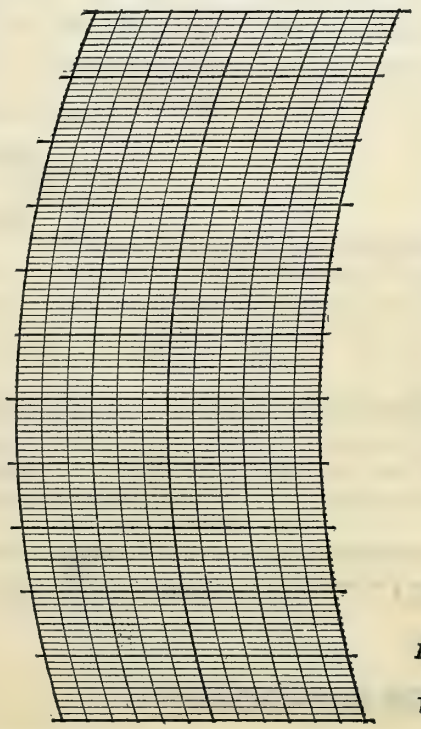
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 72.0 Wet temperature, 62.1
Dew-point, 56 R. humidity, 57 V. pressure, .448
Clouds: Amount, 8; Kind, St Cu; Direction, NW
Velocity of clouds (miles per hour)

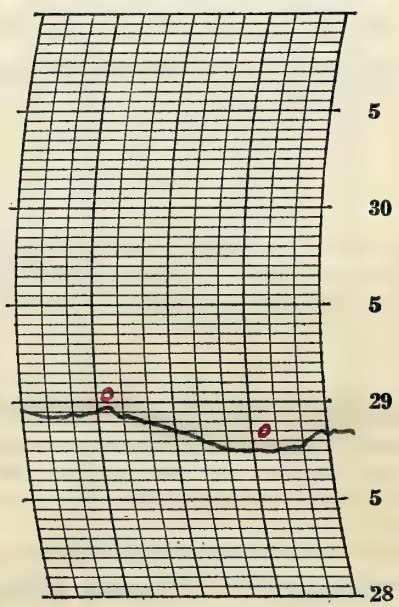
THERMOGRAPH




THERMOGRAPH




BAROGRAPH.




Prepared by R. E. L.

Verified by L. C. S.

8—486

## NOTES

A rather blustery day with good visibility and ample ceilings for flying most of the day. Local squalls made flying inadvisable.

A moderate thunderstorm began about 9:30 P.M. and continued late into the night.

Damaging squalls were reported several miles South of the city. Hail storms occured in various sections near the city although no damage was reported here.

Form No. 1014—Met'1

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Monday, (Date) MAY 1 1933, 193

Time (local standard) 90 mer. normal time.

| | A.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 | P.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Temperature at end of hour | 59 | 59 | 59 | 59 | 59 | 59 | 62 | 66 | 70 | 72 | 74 | 76 | 77 | 78 | 79 | 78 | 78 | 76 | 75 | 74 | 66 | 67 | 68 | 65 |
| State of weather. Nature of precipitation and time of beginning and ending | R endd | | | RE ONR | | | | | | | | | | | | | | | | | R 8:15 RE 8:45 (2)* | | | R ONR endd *(2) |
| Amounts of precipitation | .55 | .13 | .10 | .08 | | | | | | | | | | | | | | | | | .08 | | | .09 |
| Cloudiness and other conditions | ← Cldy → P+ Cloudy → Cloudy → | | | | | | | | | | | | | | | | | | | | | | | |
| Sunshine (in tenths of hours) | | | | | 0 | 0 | 0.8 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 0.5 | 0 | 0 | | | | | |
| Wind direction | NW | W | SE | SE | S | S | S | S | S | S | S | S | S | S | S | S | S | S | S | S | W | SW | SW | SW |
| Wind movement | 9 | 7 | 9 | 12 | 12 | 10 | 12 | 14 | 16 | 17 | 18 | 16 | 17 | 19 | 18 | 16 | 15 | 11 | 9 | 11 | 10 | 8 | 9 | 9 |
| Maximum velocities (exceeding 24 miles) direction and time | | | | | | | | | | | | | | | | | | | | | | | | |

Sunrise: Time, 4:39 Character, Cloudy
Moonrise:

Sunset: Time, 8:37 Character, Cloudy
Moonset:

Wind data corrected to true velocity.

| Total duration. From— | To— | Total amount of precipitation. | Excessive rate. Began— | Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | | | | | |

Excessive precipitation, accumulated amounts

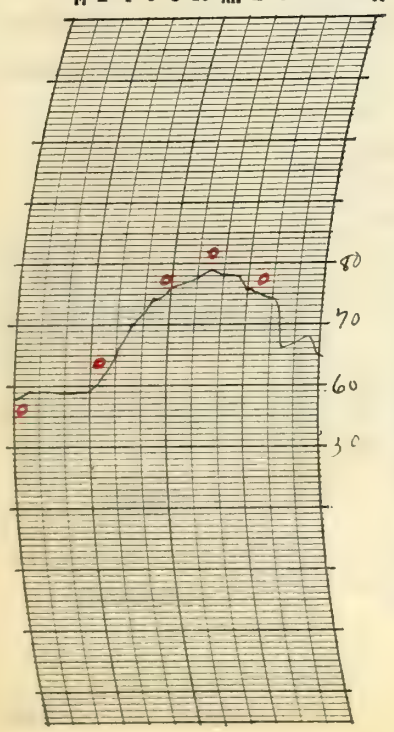
| Maximum Temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 79 | 58 | 68 | |

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 1.14 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 1.03 inches.
Character of day, Cloudy Moon phase,
Average daily cloudiness (0-10), 8
Actual sunshine, hours, 10.3 Possible sunshine, hours, 14.0
Per cent of possible sunshine, 74
Prevailing wind direction, S Total wind, 304
Average hourly velocity, 12.7 Extreme velocity, 25
Maximum velocity, 23 Direction, S
Time began, 1:20 P
Reduced barometer, 29.81 7 a. m. 29.64 7 p. m.
River gage, +5.9 feet
Relative humidity, 83 7 a. m. 61 7 p. m.

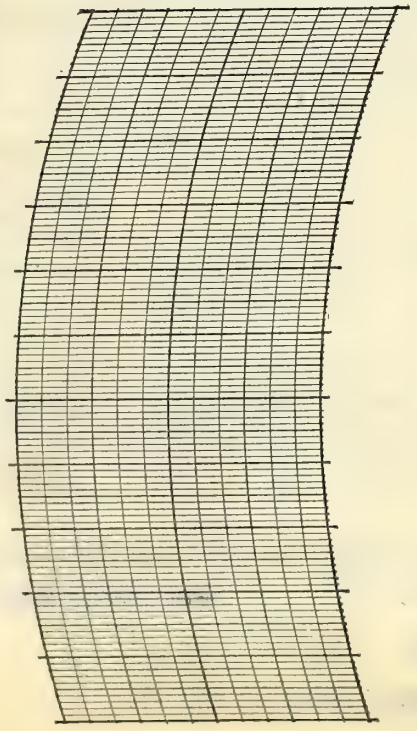
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 76.0 Wet temperature, 67.2
Dew-point, 62 R. humidity, 64 V. pressure, 535
Clouds: Amount, 6 (2); Kind, Ci (Ci); Direction, S (W)
Velocity of clouds (miles per hour)

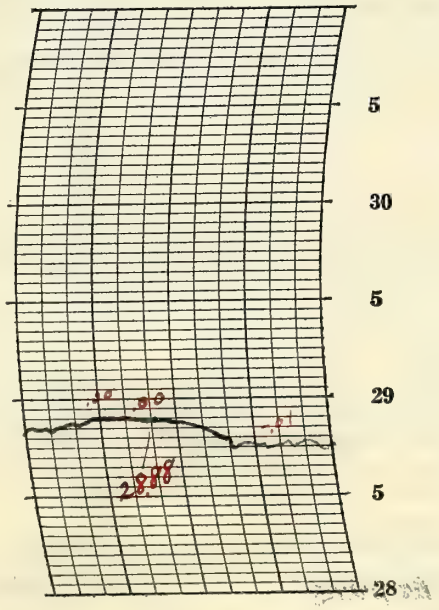
THERMOGRAPH




THERMOGRAPH




BAROGRAPH.




Prepared by L. C. S.

Verified by R. E. L.

8—486

## NOTES

* numbers in parenthesis hundredths added to instrument record.
A very light thunderstorm began at 8:05 P and ended at 8:45 P. No damage reported.
Flying condition good
Faint solar halo observed from 2:30 P to 3:00 P.

Form No. 1014—Met'l

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Tuesday, (Date) MAY 2 1933, 193

Time (local standard) 90 mer. normal time.

| | A.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 | P.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Temperature at end of hour | 61 | 60 | 59 | 58 | 58 | 59 | 59 | 61 | 62 | 62 | 61 | 61 | 60 | 58 | 56 | 55 | 53 | 53 | 53 | 52 | 50 | 46 | 44 | 43 |
| State of weather. Nature of precipitation and time of beginning and ending | R cntd * (3) | RE DNH | | | | | | | | | | | | | RB mat 2:35 RE 2:40 | | RB 4:05 RE 4:15 RB 4:50 | | RE 6:05 | | | | | |
| Amounts of precipitation | .18 | .03 | | | | | | | | | | | | | T | | .01 | T | T | | | | | |
| Cloudiness and other conditions | | | | | ← | | | | | | Cloudy | | → | | | | | | | | | | | |
| Sunshine (in tenths of hours) | | | | | 0 | 0 | 0 | 0 | 0 | 0.4 | 0.8 | 0.7 | 0.3 | 0.3 | 0.3 | 0 | 0 | 0 | 0 | | | | | |
| Wind direction | SW | W | SE | SE | SE | S | S | S | SW | SW | SW | W | SW | W | W | W | W | W | W | W | W | NW | W | W |
| Wind movement | 9 | 5 | 7 | 8 | 9 | 9 | 10 | 10 | 11 | 11 | 14 | 12 | 12 | 13 | 13 | 13 | 12 | 10 | 10 | 11 | 11 | 11 | 12 | 12 |

Sunrise: Time, 4:37 Character, Cloudy. Moonrise:

Sunset: Time, 6:38 Character, Cloudy. Moonset:

Maximum velocities (exceeding 24 miles) direction and time

Wind data corrected to true velocity.

| Total duration. From— | To— | Total amount of precipitation. | Excessive rate. Began— | Ended— | Amount before excessive began. |
|---|---|---|---|---|---|
| | | | | | |

Accumulated depths during excessive rate, for consecutive periods of time indicated below.

| 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | |

Excessive precipitation, accumulated amounts

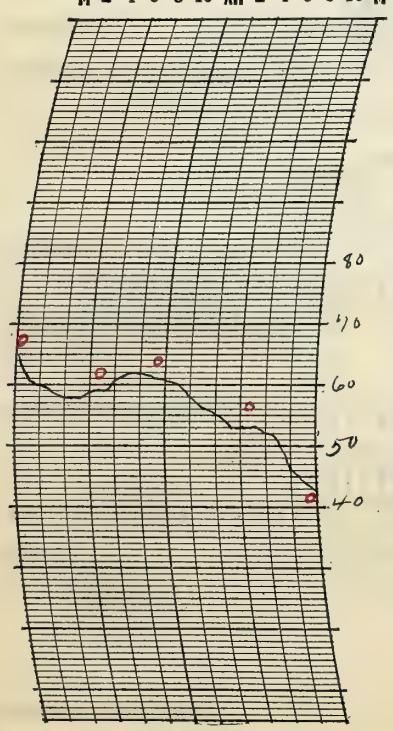
| Maximum Temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 65 | 43 | 54 | |

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0.38 ins.; to 7 p. m., .01 ins.
Total precipitation, midnight to midnight, 0.22 inches.
Character of day, Cloudy Moon phase,
Average daily cloudiness (0-10), 10
Actual sunshine, hours, 2.8 Possible sunshine, hours, 14.0
Per cent of possible sunshine, 20
Prevailing wind direction, W Total wind, 255
Average hourly velocity, 10.6 Extreme velocity, 18
Maximum velocity, 16 Direction, W
Time began, 11:38 a.m.
Reduced barometer, 29.54 7 a. m. 29.61 7 p. m.
River gage, 10.6 feet
Relative humidity, 88 7 a. m. 88 7 p. m.

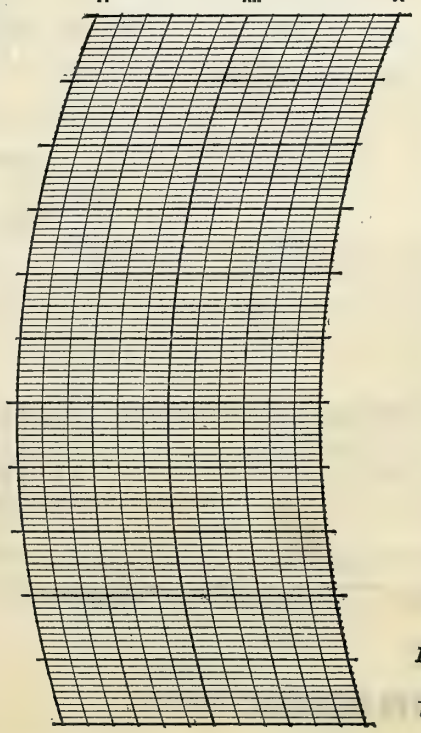
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 61.4 Wet temperature, 54.3
Dew-point, 49 R. humidity, 63 V. pressure, .347
Clouds: Amount, 10; Kind, St Cu; Direction, SW
Velocity of clouds (miles per hour)

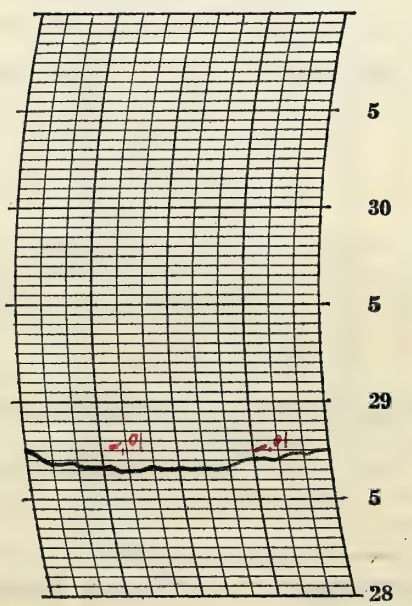
THERMOGRAPH




THERMOGRAPH




BAROGRAPH.




Prepared by L. C. S.

Verified by R. E. L.

8—486

## NOTES

* Numbers in parenthesis Hundredths added to instrument record.

Reading Conditions Good.

Form No. 1014—Met'1

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Wednesday, (Date) MAY 3 1933, 193

Time (local standard) 90 mer. normal time.

| | A.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 | P.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Temperature at end of hour | 42 | 42 | 43 | 44 | 44 | 43 | 43 RB 6:05 | 43 | 43 | 44 RE 9:05 RB 9:50 | 42 | 43 RE 11:55 | 44 | 46 | 47 | 48 | 48 | 48 | 49 | 46 | 45 | 43 | 42 | 41 |
| State of weather. Nature of precipitation and time of beginning and ending | | | | | | | | mist | | | mist | | | | | | | | | | | | | |
| Amounts of precipitation | | | | | | | T | T | T | T | T | .01 | | | | | | | | | | | | |
| Cloudiness and other conditions | | | | | | Cloudy | | | | | | | | | | | | Clear | | | | | | |
| Sunrise: Time, Character, 4:36 Cloudy. Moonrise: | | | | | | | | | | | | | | | | | | | | | Sunset: Time, Character, 6:39 Clear after 5:15 P Moonset: | | | |
| Sunshine (in tenths of hours) | | | | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.2 | 1.6.5 | | | | | |
| Wind direction | W | NW | NW | NW | NW | NW | N | N | N | NE | N | NW | N | N | N | N | NE | NE | N | N | N | N | N | NE |
| Wind movement | 10 | 9 | 9 | 7 | 9 | 11 | 10 | 10 | 9 | 9 | 9 | 10 | 9 | 10 | 10 | 10 | 12 | 11 | 9 | 5 | 6 | 6 | 6 | 8 |
| Maximum velocities (exceeding 24 miles) direction and time | | | | | | | | | | | | | | | | | | | | | | | | |

Wind data corrected to true velocity.

| Excessive precipitation, accumulated amounts | Total duration. From— | To— | Total amount of precipitation. | Excessive rate. Began— | Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | | | | | | |

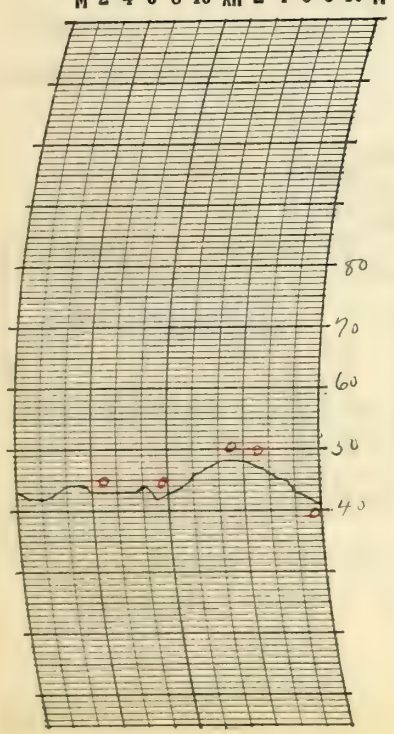
| Maximum Temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 48 | 41 | 44 | |

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., T ins.; to 7 p. m., .01 ins.
Total precipitation, midnight to midnight, .01 inches.
Character of day, Cloudy. Moon phase,
Average daily cloudiness (0-10), 9
Actual sunshine, hours, 0.8 Possible sunshine, hours, 14.0
Per cent of possible sunshine, 6
Prevailing wind direction, N Total wind, 214
Average hourly velocity, 8.9 Extreme velocity, 14
Maximum velocity, 14 Direction, N
Time began, 7:33 a. m.
Reduced barometer, 29.81 7 a. m. 30.01 7 p. m.
River gage, +9.4 feet
Relative humidity, 91 7 a. m. 69 7 p. m.

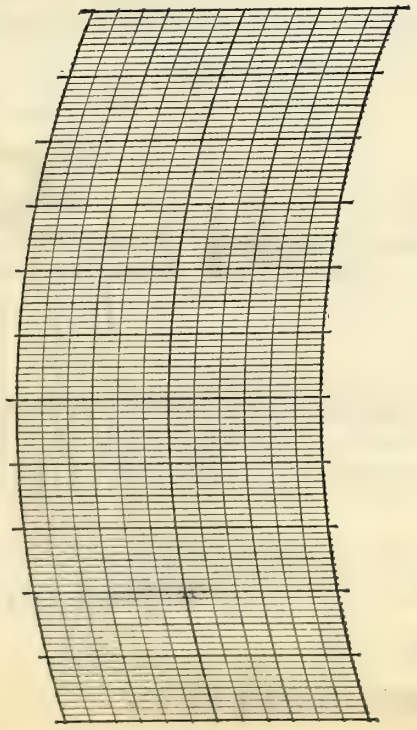
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 42.9 Wet temperature, 42.0
Dew-point, 41 R. humidity, 93 V. pressure, .256
Clouds: Amount, 10; Kind, St; Direction, NW
Velocity of clouds (miles per hour)

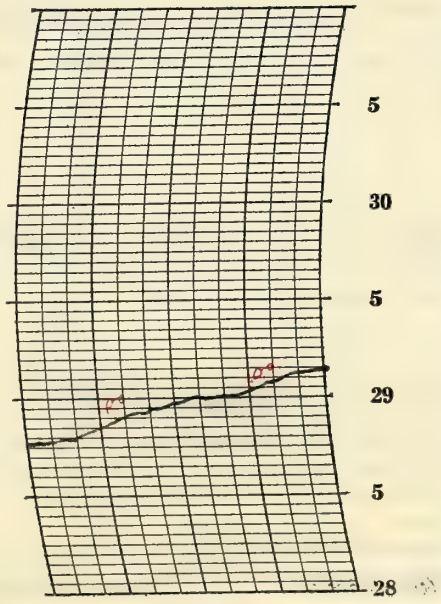
THERMOGRAPH




THERMOGRAPH




BAROGRAPH.




Prepared by E. C. S.

Verified by R. E. L.

8—486

## NOTES

Flying conditions were fair. Visibility ranged from 2 to 7 miles and ceilings around 1000 ft.

Warning of light frost received and issued at 8:30 a. m.

Form No. 1014—Met'1

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Thursday, (Date) MAY 4 1933, 193

Time (local standard) 90 mer. normal time.

| | A.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 | P.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Temperature at end of hour | 40 | 39 | 38 | 36 | 34 | 40 | 41 | 46 | 47 | 49 | 50 | 51 | 54 | 55 | 55 | 54 | 52 | 50 | 50 | 47 | 46 | 45 | 45 | 45 |
| State of weather. Nature of precipitation and time of beginning and ending | | | | | | | | | | | | | | | | | | | | | | | | |
| Amounts of precipitation | | | | | | | | | | | | | | | | | | | | | | | | |
| Cloudiness and other conditions | | | | | | ← Clear | | | × | Pt Cloudy | | × Clear | | | | | × | | Cloudy | → | | | | |
| Sunshine (in tenths of hours) | | | | | .2 0 | 0.6 0.4 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 0.4 | 0 | | | | | |
| Wind direction | NE | NE | NE | NE | NE | NE | NE | NE | E | NE | NE | NE | NE | E | E | NE | NE | E | E | NE | NE | E | NE | NE |
| Wind movement | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 10 | 10 | 11 | 12 | 11 | 10 | 12 | 12 | 12 | 12 | 10 | 11 | 13 | 10 | 11 | 11 |
| Maximum velocities (exceeding 24 miles) direction and time | | | | | | | | | | | | | | | | | | | | | | | | |

Sunrise: Time, 4:35 Character, Clear
Moonrise:
Sunset: Time, 6:40 Character, Cloudy
Moonset:

Wind data corrected to true velocity.

| Total duration. From— | To— | Total amount of precipitation. | Excessive rate. Began— | Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | | | | | |

Excessive precipitation, accumulated amounts

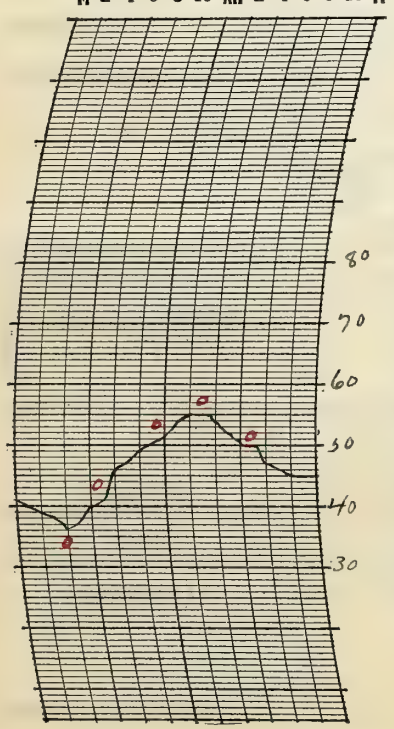
| Maximum Temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 55 | 36 | 46 | |

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Clear Moon phase,
Average daily cloudiness (0-10), 3
Actual sunshine, hours, 12.8 Possible sunshine, hours, 14.1
Per cent of possible sunshine, 91
Prevailing wind direction, NE Total wind, 249
Average hourly velocity, 10.4 Extreme velocity, 17
Maximum velocity, 16 Direction, NE
Time began, 8:10 P.M.
Reduced barometer, 30.14 7 a. m. 30.10 7 p. m.
River gage, +7.9 feet
Relative humidity, 65 7 a. m. 61 7 p. m.

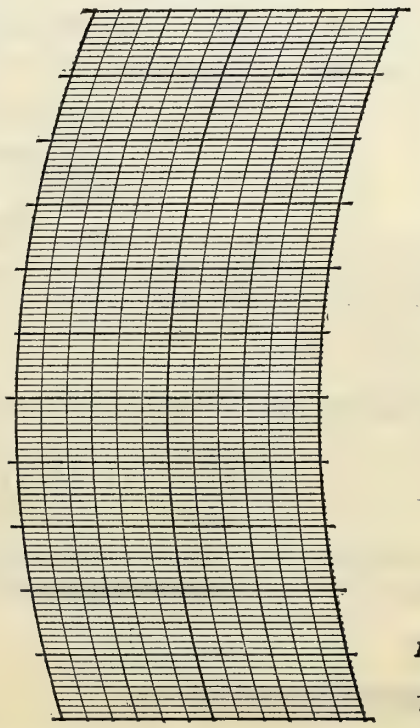
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 51.2 Wet temperature, 45.4
Dew-point, 40 R. humidity, 64 V. pressure, .247
Clouds: Amount, 2; Kind, Cu; Direction, SE
Velocity of clouds (miles per hour)

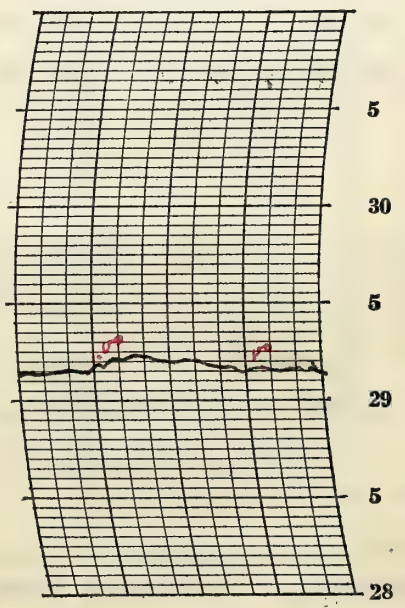
THERMOGRAPH




THERMOGRAPH




BAROGRAPH.




Prepared by L. C. S.

Verified by R. E. L.

8—486

## NOTES

Light frost recorded this a. m. Warning received on 3rd fully verified.
a very faint solar halo was observed from 10:00 a. to 10:30 a.
Day was excellent for flying. Ceilings were generally unlimited and visibility ranged from 5 to 15 miles

Form No. 1014—Met'l

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(Station) Fort Wayne Ind., (Day of week) Friday, (Date) MAY 5 1933, 193

Time (local standard) 90 mer. normal time.

| | A.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 | P.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Temperature at end of hour | 45 | 44 | 44 | 44 | 44 | 44 RB 5:50 | 44 | 45 | 46 | 46 | 46 | 46 | 47 | 48 | 49 | 50 | 51 | 52 RE 5:45 | 52 | 49 | 50 | 50 | 50 RB DNP | 49 RE DNP |
| State of weather: Nature of precipitation and time of beginning and ending | | | | | | | | | | | *(2) | *(2) | *(6) | | | | *(1) | *(2) | | | | | | |
| Amounts of precipitation | | | | | | T | .01 | T | .01 | .01 | .11 | .18 | .54 | .07 | .03 | .01 | .08 | .11 | | | | | T | .01 |
| Cloudiness and other conditions | | | | | | | | | | | | Cloudy | | | | | | 8+ Cloudy | | | | | | |
| Sunrise: Time, 4:33 Character, Cloudy Moonrise: | | | | | | | | | | | | | | | | | | | | | Sunset: Time, 6:41 Character, Cloudy Moonset: | | | |
| Sunshine (in tenths of hours) | | | | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | |
| Wind direction | NE | NE | NE | E | E | NE | E | E | NE | NE | NE | NE | NE | E | NE | NE | NE | NE | NE | NE | E | SE | E | E |
| Wind movement | 11 | 12 | 12 | 12 | 12 | 14 | 12 | 14 | 13 | 13 | 12 | 14 | 13 | 12 | 11 | 10 | 11 | 9 | 8 | 6 | 4 | 6 | 5 | 6 |
| Maximum velocities (exceeding 24 miles) direction and time | | | | | | | | | | | | | | | | | | | | | | | | |

Wind data corrected to true velocity.

| Total duration. From— | To— | Total amount of precipitation. | Excessive rate. Began— | Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | | | | | |

Excessive precipitation, accumulated amounts

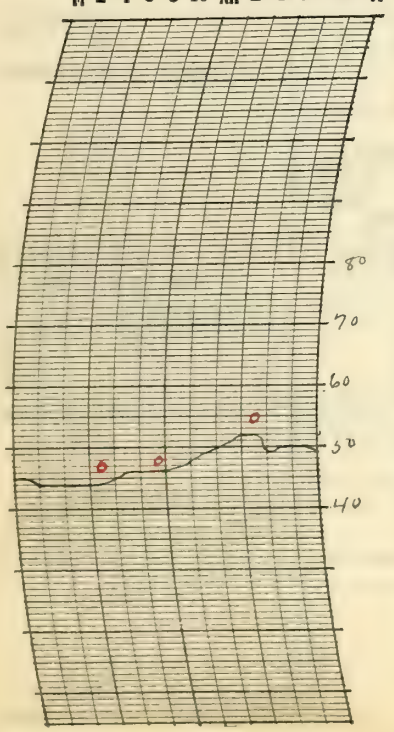
| Maximum Temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 52 | 44 | 48 | |

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., .01 ins.; to 7 p. m., 1.15 ins.
Total precipitation, midnight to midnight, 1.17 inches.
Character of day, Cloudy Moon phase,
Average daily cloudiness (0-10), 9
Actual sunshine, hours, 0 Possible sunshine, hours, 14.6
Per cent of possible sunshine, 0
Prevailing wind direction, NE Total wind, 255
Average hourly velocity, 10.6 Extreme velocity, 18
Maximum velocity, 17 Direction, NE
Time began, 11:41 a.m
Reduced barometer, 29.94 7 a. m. 29.75 7 p. m.
River gage, +6.7 feet
Relative humidity, 80 7 a. m. 93 7 p. m.

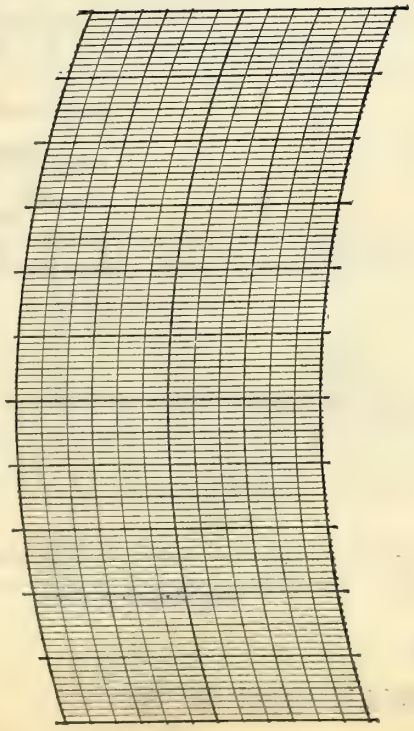
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 46.5 Wet temperature, 46.0
Dew-point, 46 R. humidity, 96 V. pressure, 310
Clouds: Amount, 10; Kind, St; Direction, NE
Velocity of clouds (miles per hour)

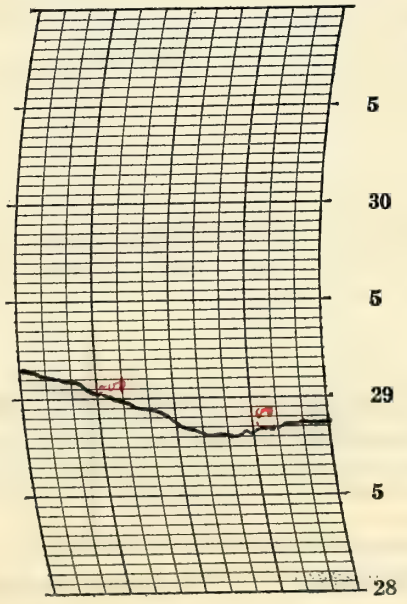
THERMOGRAPH




THERMOGRAPH




BAROGRAPH.




Prepared by L.C.S.

Verified by R.E.L.

8—486

## NOTES

Day was very bad for flying. Ceilings ranged five hundred feet to somewhat lower. Visibilities ranged from a half miles to about two miles.

Driving conditions became gradually worse after 8:15 P as the fog conditions became more and more dense during the night.

* Number six parenthesis hundredths added to astonatic record

Form No. 1014—Met'1

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Saturday, (Date) MAY 6 1933, 193

Time (local standard) 90 mer. normal time.

| | A.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 | P.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Temperature at end of hour | 49 | 49 | 49 | 49 | 50 | 51 | 52 | 52 | 52 | 53 | 55 | 56 | 56 | 56 | 57 | 56 | 55 | 54 | 54 | 53 | 53 | 52 | 52 | 52 |
| State of weather: Nature of precipitation and time of beginning and ending | | | | | | | | | PB most 8:05A 8:10A | | | | | | | | | | | | | | | |
| Amounts of precipitation | | | 0.7 ov | | | | | | T | | | | | | | | | | | | | | | |
| Cloudiness and other conditions | | | | | | | | | Hazy | | | | Cloudy | | | | | | | | | | | |
| Sunrise: Time, 4:32 Character, Foggy | | | | | | | | | | | | | | | | | | | | | Sunset: Time, 6:42 Character, Cloudy | | | |
| Moonrise: | | | | | | | | | | | | | | | | | | | | | Moonset: | | | |
| Sunshine (in tenths of hours) | | | | | 0 | 0 | 0 | 0 | 0 | 0 | 0.4 | 0.7 | 0.5 | 0.7 | 0.2 | 0 | 0 | 0 | 0 | | | | | |
| Wind direction | E | E | E | E | E | E | E | E | E | E | W | W | W | W | W | NW | NW | W | NW | W | W | W | W | W |
| Wind movement | 6 | 4 | 3 | 2 | 3 | 3 | 2 | 3 | 4 | 8 | 9 | 9 | 12 | 11 | 11 | 9 | 10 | 9 | 6 | 6 | 5 | 4 | 2 | 3 |
| Maximum velocities (exceeding 24 miles) direction and time | | | | | | | | | | | | | | | | | | | | | | | | |

| Maximum Temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 57 | 49 | 53 | |

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., .01 ins.; to 7 p. m., T ins.
Total precipitation, midnight to midnight, T inches.
Character of day, Cloudy Moon phase,
Average daily cloudiness (0-10), 10
Actual sunshine, hours, 2.5 Possible sunshine, hours, 14.2
Per cent of possible sunshine, 18
Prevailing wind direction, W Total wind, 144
Average hourly velocity, 6.0 Extreme velocity, 14
Maximum velocity, 14 Direction, W
Time began, 12:43 P.M.
Reduced barometer, 29.85 7 a. m. 29.99 7 p. m.
River gage, +12.1 feet
Relative humidity, 99 7 a. m. 77 7 p. m.

Wind data corrected to true velocity.

Excessive precipitation, accumulated amounts

| Total duration. From— | To— | Total amount of precipitation. | Excessive rate. Began— | Ended— | Amount before excessive began. |
|---|---|---|---|---|---|
| | | | | | |

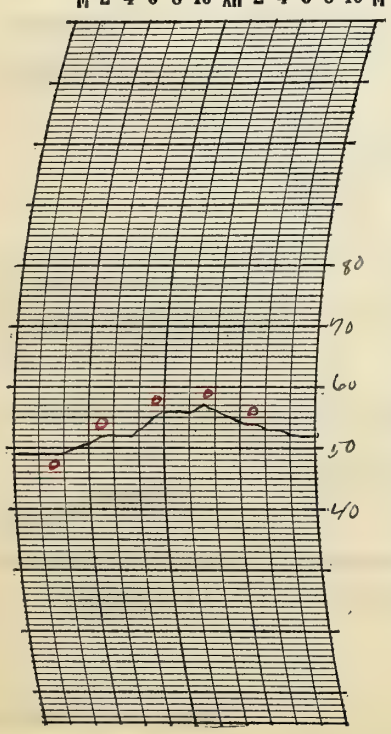
Accumulated depths during excessive rate, for consecutive periods of time indicated below.

| 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | |

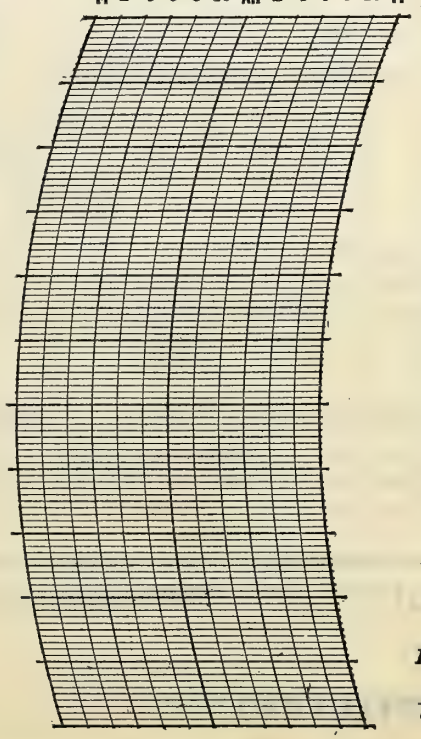
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 56.2 Wet temperature, 52.7
Dew-point, 50 R. humidity, 79 V. pressure, .360
Clouds: Amount, 10; Kind, St+Cu; Direction, W
Velocity of clouds (miles per hour)

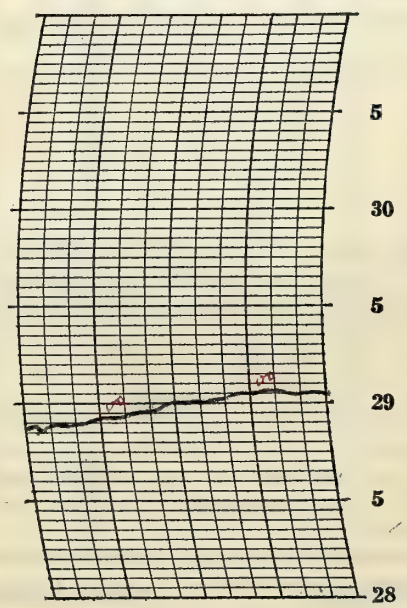
THERMOGRAPH




THERMOGRAPH




BAROGRAPH.




Prepared by L. C. S.

Verified by R. E. L.

8—486

## NOTES

Driving conditions poor until 8:15 a.m as result of dense fog continued from the 5th

Flying conditions were poor until 10:00 a. m. after which they continued fair the remainder of the day

Form No. 1014—Met'1

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Sunday, (Date) MAY 7 1933, 193

Time (local standard) 90 mer. normal time.

| | A.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 | P.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Temperature at end of hour | 50 | 49 | 49 | 49 | 50 | 50 | 50 | 52 | 56 | 57 | 58 | 60 | 60 | 61 | 62 | 62 | 61 | 60 | 60 | 56 | 55 | 54 RB 9:55 | 53 | 52 R Cntd |
| State of weather. Nature of precipitation and time of beginning and ending | | | | | | | | | | | | | | | | | | | | | | | | |
| Amounts of precipitation | | | | | | | | | | | | | | | | | | | | | | T | T | .03 |
| Cloudiness and other conditions | | | | | | | | | | | | Cloudy | | | | | | | | | | | | |
| Sunrise: Time, 4:31 Character, Cloudy. Moonrise: | | | | | | | | | | | | | | | | | | | | | Sunset: Time, 6:43 Character, Cloudy. Moonset: | | | |
| Sunshine (in tenths of hours) | | | | | 0 | 0 | 0 | 0.1 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 0.9 | 0 | 0 | 0 | 0 | | | | | |
| Wind direction | W | W | W | W | W | W | W | NW | E | SE | SE | SE | E | E | E | E | E | E | E | E | E | E | E | E |
| Wind movement | 4 | 2 | 4 | 4 | 3 | 4 | 4 | 6 | 6 | 7 | 9 | 10 | 12 | 12 | 15 | 13 | 12 | 10 | 9 | 10 | 10 | 10 | 9 | 10 |
| Maximum velocities (exceeding 24 miles) direction and time | | | | | | | | | | | | | | | | | | | | | | | | |

Wind data corrected to true velocity.

| Total duration. From— | To— | Total amount of precipitation. | Excessive rate. Began— | Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | | | | | |

Excessive precipitation, accumulated amounts

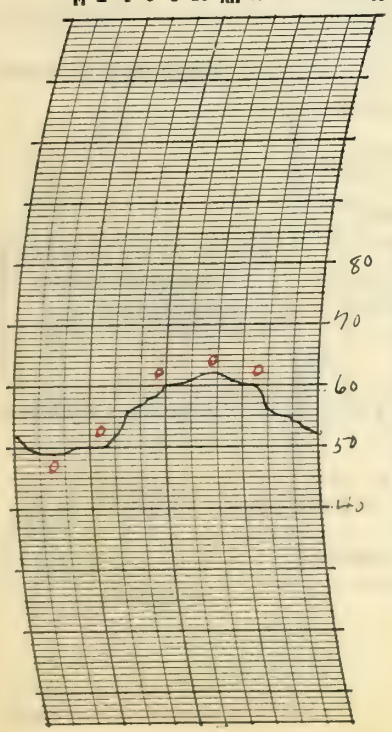
| Maximum Temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 62 | 49 | 56 | |

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, .03 inches.
Character of day, Cloudy Moon phase,
Average daily cloudiness (0-10), 9
Actual sunshine, hours, 7.0 Possible sunshine, hours, 14.2
Per cent of possible sunshine, 49
Prevailing wind direction, E Total wind, 195
Average hourly velocity, 8.1 Extreme velocity, 17
Maximum velocity, 17 Direction, E
Time began, 2:16 p.m.
Reduced barometer, 30.02 7 a. m. 29.80 7 p. m.
River gage, +12.8 feet
Relative humidity, 83 7 a. m. 76 7 p. m.

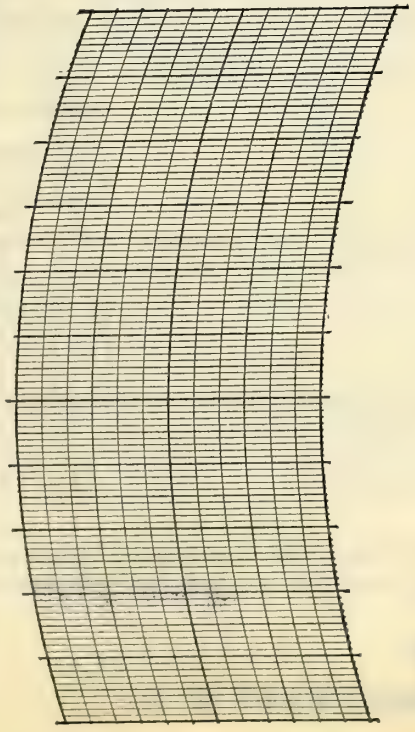
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 60.3 Wet temperature, 52.8
Dew-point, 47 R. humidity, 61 V. pressure, 322
Clouds: Amount, 3 aa; Kind, cu; Direction, SE w
Velocity of clouds (miles per hour)

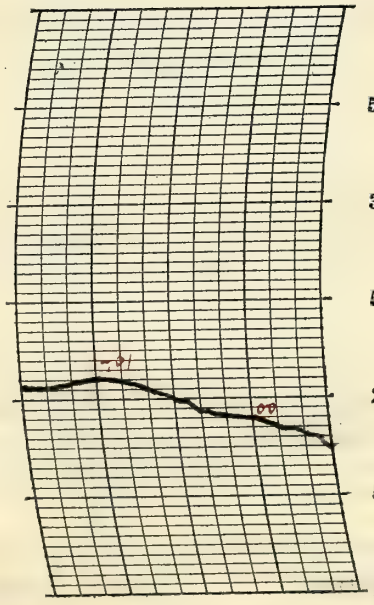
THERMOGRAPH




THERMOGRAPH




BAROGRAPH.




Prepared by L.C.S.

Verified by R.E.L.

8—486

## NOTES

Flying Conditions Were from fair to good. Ceilings ranged from fifteen hundred to two thousand feet and visibility from three to five miles.

Form No. 1014—Met'1

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Monday, (Date) MAY 8 1933, 193

Time (local standard) 90 mer. normal time.

| | A.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 | P.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Temperature at end of hour | 52 | 52 | 52 | 51 | 51 | 51 | 51 | 48 | 48 | 48 | 48 | 48 | 49 | 51 | 51 | 50 | 49 | 48 | 47 | 45 | 45 | 44 | 44 | 43 |
| State of weather. Nature of precipitation and time of beginning and ending | R cutd | | * (6) | * (5) | * (3) | | | R E 7:35 | | | | | | | | | | | | | | | | |
| Amounts of precipitation | .01 | .04 | .41 | .33 | .21 | .01 | .02 | T | | | | | | | | | | | | | | | | |
| Cloudiness and other conditions | | | | | | | | | | | | | ← Cloudy | | | | | | | | → | | | |
| Sunrise: Time, Character, 4:30 Cloudy. Moonrise: | | | | | | | | | | | | | | | | | | | | | Sunset: Time, Character, 6:44 Cloudy. Moonset: | | | |
| Sunshine (in tenths of hours) | | | | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.2 | 0.7 | 0.5 | 0 | 0 | 0 | 0 | | | | | |
| Wind direction | E | NE | NE | NE | NE | NE | NE | NE | NE | NE | E | E | E | NE | NE | E | E | NE | E | E | E | E | E | E |
| Wind movement | 10 | 9 | 7 | 9 | 9 | 9 | 8 | 11 | 10 | 9 | 9 | 9 | 9 | 10 | 9 | 9 | 10 | 9 | 11 | 10 | 10 | 10 | 9 | 9 |
| Maximum velocities (exceeding 24 miles) direction and time | | | | | | | | | | | | | | | | | | | | | | | | |

Wind data corrected to true velocity.

| | Total duration. From— | To— | Total amount of precipitation. | Excessive rate. Began— | Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Excessive precipitation, accumulated amounts | | | | | | | | | | | | | | | | | | | | |

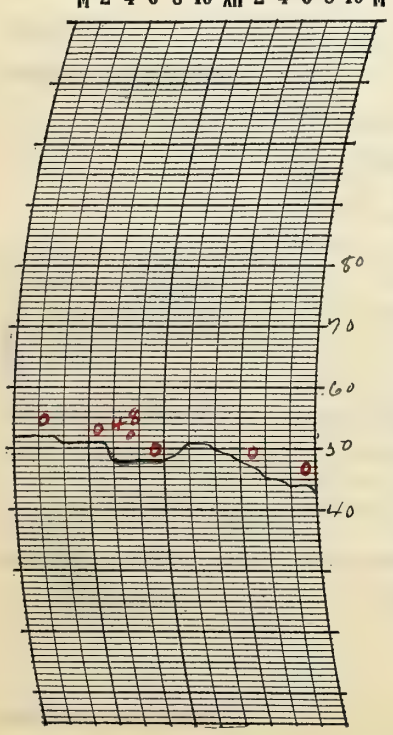
| Maximum Temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 52 | 43 | 48 | |

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 1.06 ins.; to 7 p. m., T ins.
Total precipitation, midnight to midnight, 1.03 inches.
Character of day, Cloudy. Moon phase,
Average daily cloudiness (0-10), 10
Actual sunshine, hours, 1.4 Possible sunshine, hours, 14.2
Per cent of possible sunshine, 10
Prevailing wind direction, NE by E Total wind, 224
Average hourly velocity, 9.3 Extreme velocity, 13
Maximum velocity, 12 Direction, E
Time began, 6:32 P.M.
Reduced barometer, 29.60 7 a. m. 29.74 7 p. m.
River gage, +12.6 feet
Relative humidity, 96 7 a. m. 84 7 p. m.

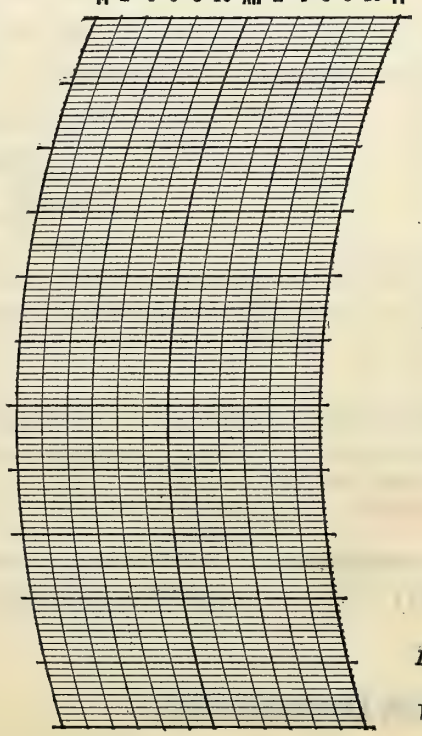
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 48.2 Wet temperature, 46.8
Dew-point, 45 R. humidity, 91 V. pressure, 29.8
Clouds: Amount, 10; Kind, St; Direction, E
Velocity of clouds (miles per hour)

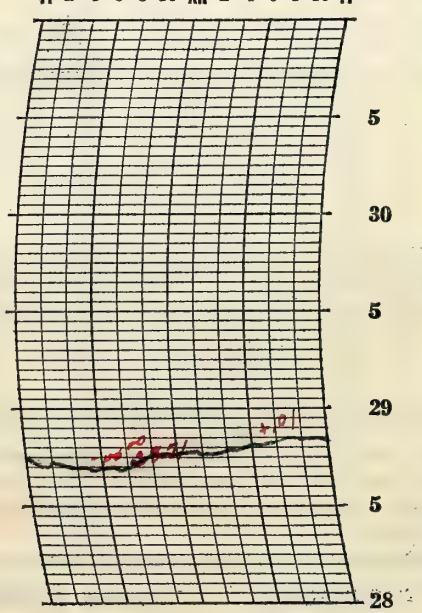
THERMOGRAPH




THERMOGRAPH




BAROGRAPH.




Prepared by R.C.S.

Verified by R.E.L.

8—486

## NOTES

* Numbers in parenthesis hundredths added to automatic record

7 lying conditions were fair. Visibilities ranged from 2 to 5 miles and ceilings from 600 to 1,000 ft.

Form No. 1014—Met'1

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Tuesday, (Date) MAY 9 1933, 193

Time (local standard) 90 mer. normal time.

| | A.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 | P.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Temperature at end of hour | 42 | 43 | 44 | 44 | 44 | 45 | 46 | 50 | 54 | 58 | 63 | 65 | 69 | 68 | 65 | 63 | 59 | 57 | 56 | 54 | 52 | 51 | 49 | 48 |
| State of weather. Nature of precipitation and time of beginning and ending | | | RB ONA | | *(1) | *(1) | RE 6:10 | | | | | | | | RB 2:20 | | | | | RE 7:05 | | | | |
| Amounts of precipitation | | | T | .06 | .12 | .15 | .01 | | | | | | | | T | .01 | .06 | T | .02 | T | | | | |
| Cloudiness and other conditions | | | | | | | | | | | | | | | | | | | | | | | | |
| Sunshine (in tenths of hours) | | | | | 0 | 0 | 0 | 0 | 0 | 0.9 | 1.0 | 1.0 | 1.0 | 0.8 | 0 | 0 | 0 | 0 | 0 | | | | | |
| Wind direction | E | E | NE | NE | E | E | E | E | E | SE | SE | S | SW | W | NW | NW | N | NE | NE | NE | NE | N | NE | NE |
| Wind movement | 11 | 12 | 11 | 9 | 13 | 12 | 11 | 7 | 7 | 9 | 9 | 9 | 7 | 7 | 7 | 6 | 9 | 10 | 9 | 9 | 9 | 8 | 8 | 7 |

Cloudy

Sunrise: Time, 4:29 Character, Cloudy

Moonrise:

Sunset: Time, 6:45 Character, Cloudy

Moonset:

Maximum velocities (exceeding 24 miles) direction and time

Wind data corrected to true velocity.

| Total duration. From— | To— | Total amount of precipitation. | Excessive rate. Began— | Ended— | Amount before excessive began. |
|---|---|---|---|---|---|
| | | | | | |

Excessive precipitation, accumulated amounts

Accumulated depths during excessive rate, for consecutive periods of time indicated below.

| 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | |

| Maximum Temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 69 | 42 | 56 | |

Total depth of snow for 24 hours ending 7 p. m., 0 inches.

Snow, sleet, and hail on ground 7 p. m., 0 inches.

Total snowfall, midnight to midnight, 0 inches.

Precipitation to 7 a. m., 0.34 ins.; to 7 p. m., .09 ins.

Total precipitation, midnight to midnight, 0.43 inches.

Character of day, Cloudy Moon phase,

Average daily cloudiness (0-10), 10

Actual sunshine, hours, 4.7 Possible sunshine, hours, 14.3

Per cent of possible sunshine, 33

Prevailing wind direction, NE Total wind, 216

Average hourly velocity, 9.0 Extreme velocity, 24

Maximum velocity, 19 Direction, NE

Time began, 5:04 a.m.

Reduced barometer, 29.62 7 a. m. 29.68 7 p. m.

River gage, +15.3 feet

Relative humidity, 96 7 a. m. 86 7 p. m.

OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

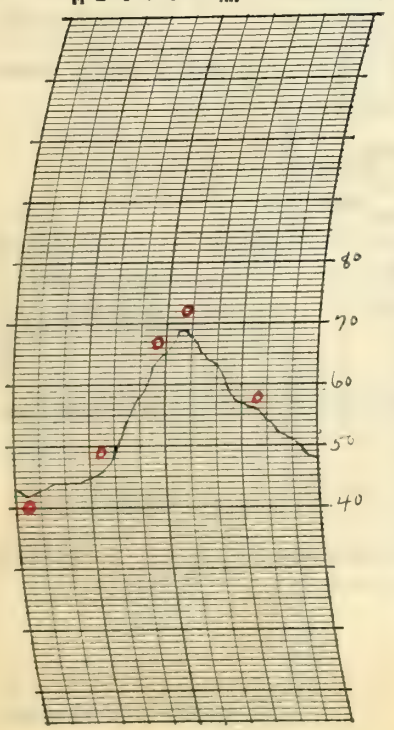
Dry temperature, 65.4 Wet temperature, 57.9

Dew-point, 53 R. humidity, 64 V. pressure, .402

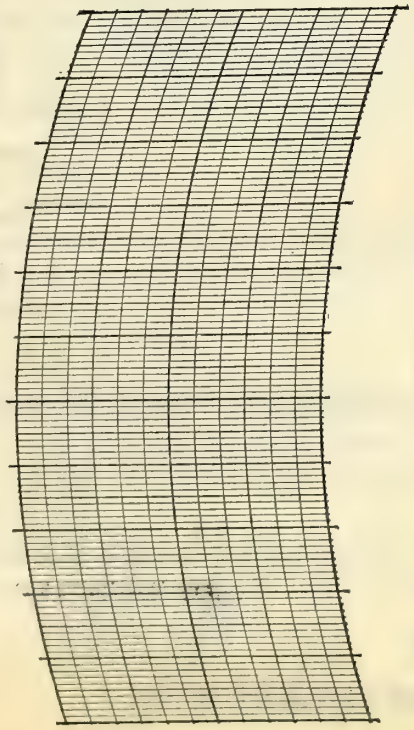
Clouds: Amount, 8/1; Kind, a cu cu st; Direction, W W

Velocity of clouds (miles per hour)

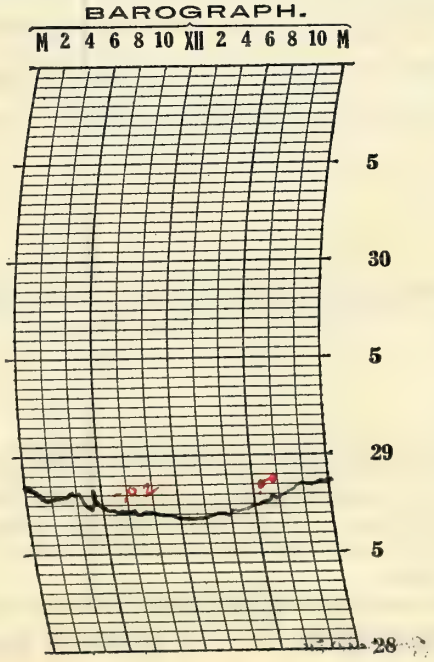
THERMOGRAPH




THERMOGRAPH




BAROGRAPH.




Prepared by I. C. S

Verified by R. E. L

8—486

## NOTES

* numbers in parentheses hundredths added to automatic record.

A very light thunderstorm occurred from 5:00 to 6:10 A. No damage was reported.

River exceeded flood stage of 15.0 ft When it read 15.3 ft at 7:00 a.m. today.

Another very light thunderstorm occurred from 4:00 P to 7:05 P. No damage reported

Flying conditions were poor to 8:10 a.m. as result of light fog. Remainder of the day ceilings were high and visibility ranged around five miles

A solar halo was observed from 10:50 a. to 12:30 P.

Form No. 1014—Met'l

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Wednesday, (Date) MAY 10 1933, 193

Time (local standard) 90 mer. normal time.

| | A.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 | P.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Temperature at end of hour | 47 | 46 | 44 | 44 | 44 | 45 | 45 | 47 | 48 | 50 | 53 | 53 | 55 | 56 | 58 | 57 | 56 | 56 | 56 | 54 | 54 | 53 | 53 | 52 |
| State of weather. Nature of precipitation and time of beginning and ending | | | | | | | | | | | | | | | | | | | | R 7:30 | | | | R cntd |
| Amounts of precipitation | | | | | | | | | | | | | | | | | | | | .01 | T | .02 | .07 | .10 |
| Cloudiness and other conditions | | | | | | ← Cloudy | | | | | | | | | ×O+Cloudy | | ×Cloudy | | | → | | | | |
| Sunshine (in tenths of hours) | | | | | 0 | 0 | 0 | 0 | 0 | 0 | 0.2 | 0.1 | 0.1 | 0.6 | 0.2 | 0.8 | 0 | 0 | 0 | | | | | |
| Wind direction | N | N | N | N | NE | NE | NE | NE | NE | NE | NE | E | NE | E | NE | NE | E | E | E | E | SE | SE | SE | SE |
| Wind movement | 9 | 9 | 9 | 8 | 9 | 7 | 7 | 8 | 8 | 8 | 9 | 8 | 8 | 7 | 8 | 7 | 9 | 8 | 5 | 9 | 9 | 9 | 9 | 10 |
| Maximum velocities (exceeding 24 miles) direction and time | | | | | | | | | | | | | | | | | | | | | | | | |

Sunrise: Time, 4:28 Character, Cloudy. Moonrise:

Sunset: Time, 6:46 Character, Cloudy. Moonset:

Wind data corrected to true velocity.

| Total duration. From— | To— | Total amount of precipitation. | Excessive rate. Began— | Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | | | | | |

Excessive precipitation, accumulated amounts

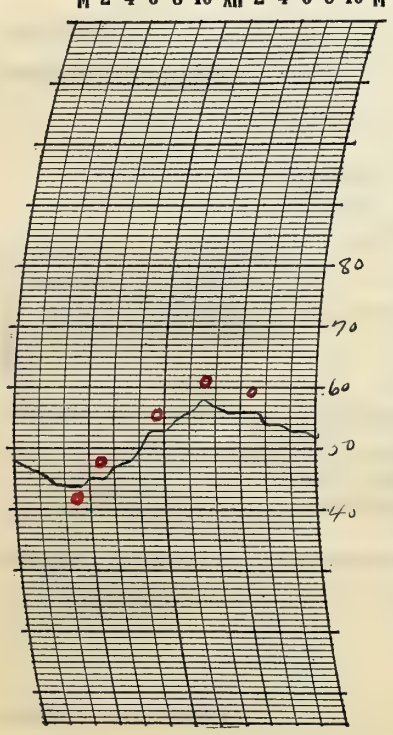
| Maximum Temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 58 | 44 | 51 | |

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., T ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0.20 inches.
Character of day, Cloudy Moon phase,
Average daily cloudiness (0-10), 10
Actual sunshine, hours, 2.0 Possible sunshine, hours, 14.3
Per cent of possible sunshine, 14
Prevailing wind direction, NE Total wind, 197
Average hourly velocity, 8.2 Extreme velocity, 18
Maximum velocity, 18 Direction, SE
Time began, 11:47 P.M.
Reduced barometer, 29.97 7 a. m. 30.08 7 p. m.
River gage, +15.7 Feet 16.0 ft ONAN (est)
Relative humidity, 91 7 a. m. 73 7 p. m.

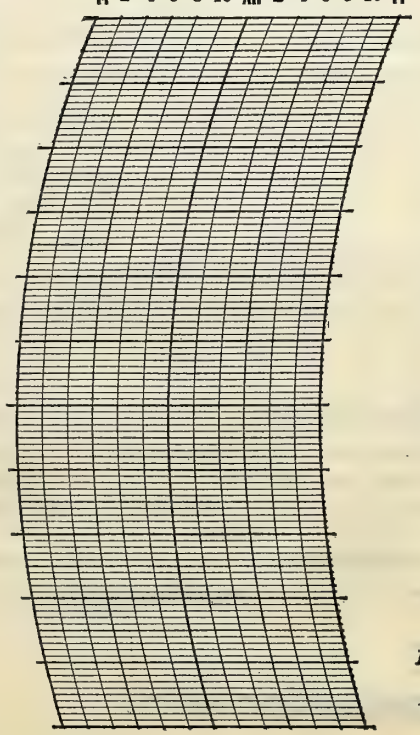
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 53.2 Wet temperature, 48.2
Dew-point, 43 R. humidity, 70 V. pressure, 277
Clouds: Amount, 10; Kind, St+Cu; Direction, E
Velocity of clouds (miles per hour)

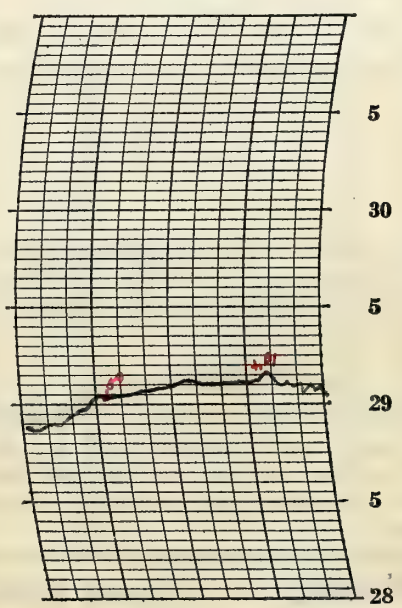
THERMOGRAPH




THERMOGRAPH




BAROGRAPH.




Prepared by L. C. L.

Verified by R. G. L.

8—486

## NOTES

With the river reading 15.7 ft this morning (0.7 ft above flood stage) several basements in lower parts of city are partially filled with water and there is some slight damage to growing crops in the lowlands. Day was suitable for flying. River crested P.M. 4th at 16.0 ft.

Form No. 1014—Met'1

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Thursday, (Date) MAY 11 1933, 193

Time (local standard) 90 mer. normal time.

| | A.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 | P.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Temperature at end of hour | 52 | 52 | 53 | 54 | 55 | 56 | 57 | 60 | 63 | 67 | 69 | 71 | 74 | 74 | 74 | 74 | 71 | 69 | 69 | 67 | 65 | 64 | 63 | 62 |
| State of weather. Nature of precipitation and time of beginning and ending | R ended | * (1) | * (1) | | * (1) | | | RE 7:25 | | | | | | | | | | | | | | | | |
| Amounts of precipitation | .13 | .26 | .20 | .10 | .16 | .13 | .02 | T | | | | | | | | | | | | | | | | |
| Cloudiness and other conditions | ← Cloudy → | | | | | | | | | | | | | | | | | | | | | | | |
| Sunrise: Time, Character, 4:27 Cloudy. Moonrise: | | | | | | | | | | | | | | | | | | | | | Sunset: Time, Character, 6:47 Cloudy. Moonset: | | | |
| Sunshine (in tenths of hours) | | | | | 0 | 0 | 0 | 0 | 0.5 | 1.0 ci st+ | 1.0 | 1.0 | 1.0 | 1.0 ci st+ | 0.5 | 0 | 0 | 0 | 0 | | | | | |
| Wind direction | SE | S | SE | E | S | S | S | S | SE | SE | SE | S | SW | SW | W | NW | NW | E | E | E | SE | SE | SE | E |
| Wind movement | 14 | 12 | 12 | 6 | 12 | 13 | 12 | 10 | 9 | 10 | 11 | 10 | 7 | 6 | 7 | 8 | 4 | 9 | 6 | 9 | 9 | 5 | 6 | 5 |
| Maximum velocities (exceeding 24 miles) direction and time | | | | | | | | | | | | | | | | | | | | | | | | |

Wind data corrected to true velocity.

| Total duration. From— | To— | Total amount of precipitation. | Excessive rate. Began— | Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | | | | | |

Excessive precipitation, accumulated amounts

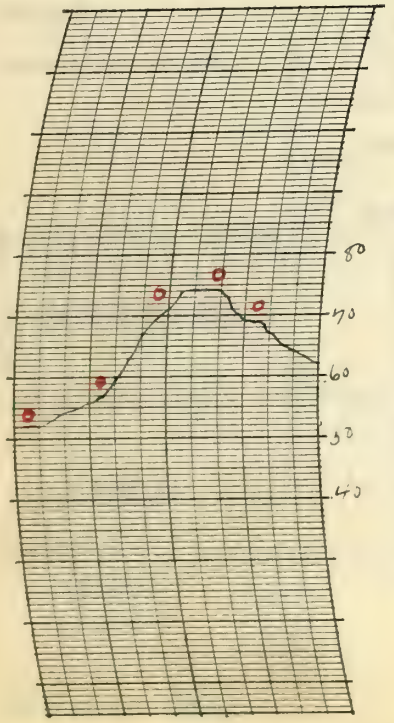
| Maximum Temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 74 | 52 | 63 | |

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 1.20 ins.; to 7 p. m., T ins.
Total precipitation, midnight to midnight, 1.00 inches.
Character of day, Cloudy Moon phase,
Average daily cloudiness (0-10), 10
Actual sunshine, hours, 6.0 Possible sunshine, hours, 14.3
Per cent of possible sunshine, 42
Prevailing wind direction, SE Total wind, 212
Average hourly velocity, 8.8 Extreme velocity, 20
Maximum velocity, 20 Direction, SE
Time began, 12:13 a.m.
Reduced barometer, 29.97 7 a. m. 29.98 7 p. m.
River gage, + 15.5 feet
Relative humidity, 97 7 a. m. 85 7 p. m.

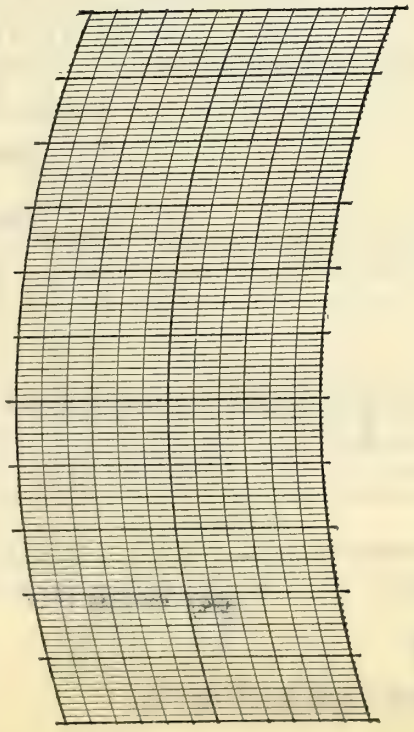
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 71.0 Wet temperature, 64.5
Dew-point, 61 R. humidity, 71 V. pressure, 29.36
Clouds: Amount, 1; Kind, Cu.; Direction, S
Velocity of clouds (miles per hour)

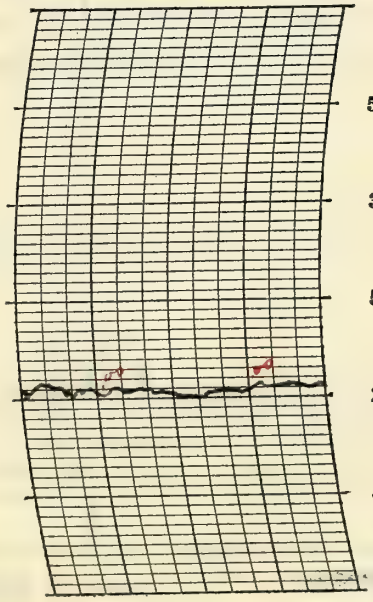
THERMOGRAPH




THERMOGRAPH




BAROGRAPH.




Prepared by L. C. S.

Verified by R. C. L.

8—486

## NOTES

* Numbers in parenthesis, hundredths added to automatic record.

a moderate thunderstorm occurred during the night a.m. Thunder & lightning had ceased well before daybreak and the time of beginning and ending of thunder could not be determined. No damage reported.

River continues above flood stage; 15.5 ft this morning and condition reported on 10th. still prevail.

Flying conditions were good entire day.

Special river reading at noon showed maximum River at 16.7 ft.

A Solar Halo was observed at 8:30 a. and was intermittent

Form No. 1014—Met'1

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) ~~Friday~~, (Date) MAY 12 1933, 193

Time (local standard) 90 mer. normal time.

| | A.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 | P.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Temperature at end of hour | 61 | 61 | 62 | 62 | 62 | 65 | 66 | 68 | 70 | 70 | 73 | 73 | 73 | 74 | 75 | 75 | 74 | 73 | 72 | 70 | 71 | 70 | 68 | 69 |
| State of weather. Nature of precipitation and time of beginning and ending | | | | | | | | | | | | RB 11:25 RE 11:45 | RB 12:25 RE 12:35 | | | | | | | | | | | |
| Amounts of precipitation | | | | | | | | | | | | T | T | | | | | | | | | | | |
| Cloudiness and other conditions | | | | | | ← | | | | | | Cloudy | | | | | | | | | → | | | |
| Sunshine (in tenths of hours) | | | | | 0 | 0 | 0.4 | 0.7 | 0.9 | 1.0 | 0.9 | 0.2 | 0.1 | 0.8 | 0.8 | 0.9 | 0.3 | 0 | 0 | | | | | |
| Wind direction | E | E | E | E | E | S | S | S | SW | SW | S | S | SW | SW | SW | SW | SW | SW | S | SW | SW | S | SW | S |
| Wind movement | 6 | 4 | 3 | 5 | 5 | 9 | 9 | 14 | 14 | 12 | 10 | 11 | 11 | 14 | 13 | 15 | 11 | 9 | 12 | 9 | 10 | 12 | 12 | 12 |
| Maximum velocities (exceeding 24 miles) direction and time | | | | | | | | | | | | | | | | | | | | | | | | |

Sunrise: Time, 4:26 Character, Cloudy. Moonrise:

Sunset: Time, 6:49 Character, Cloudy. Moonset:

Ci St

Wind data corrected to true velocity.

| Total duration. From— | To— | Total amount of precipitation. | Excessive rate. Began— | Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | | | | | |

Excessive precipitation, accumulated amounts

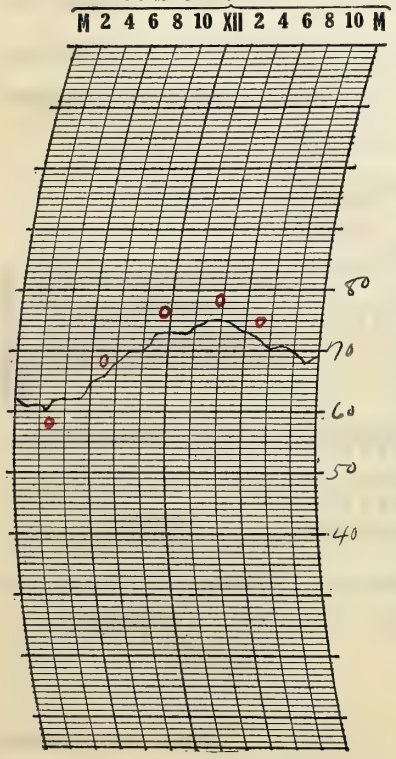
| Maximum Temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 75 | 60 | 68 | |

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., T ins.
Total precipitation, midnight to midnight, T inches.
Character of day, Cloudy Moon phase,
Average daily cloudiness (0-10), 9
Actual sunshine, hours, 2.0 Possible sunshine, hours, 14.4
Per cent of possible sunshine, 49
Prevailing wind direction, SW Total wind, 242
Average hourly velocity, 10.1 Extreme velocity, 19
Maximum velocity, 18 Direction, SW
Time began, 3:35 P.m.
Reduced barometer, 29.89 7 a. m. 29.84 7 p. m.
River gage, +17.2 Feet
Relative humidity, 84 7 a. m. 73 7 p. m.

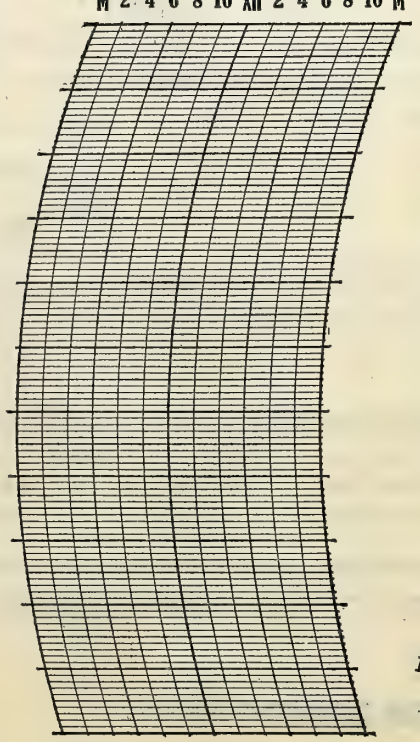
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 73.0 Wet temperature, 65.5
Dew-point, 62 R. humidity, 67 V. pressure, .555
Clouds: Amount, 4 ast; Kind, Cu; Direction, SW
Velocity of clouds (miles per hour)

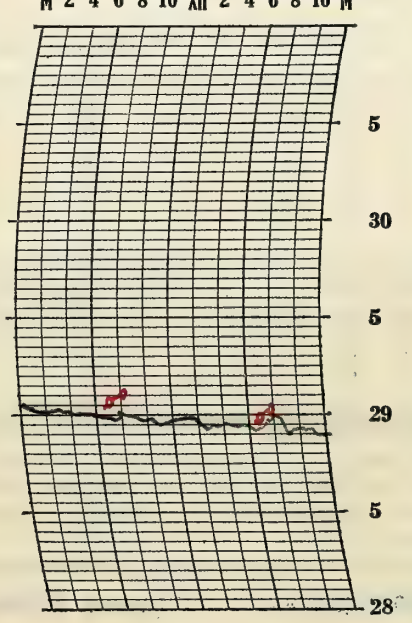
THERMOGRAPH




THERMOGRAPH




BAROGRAPH.




Prepared by L. C. S.

Verified by R. E. L.

8—486

## NOTES

With the Maumee River reading 17.2 this morning there is considerable water on the lowlands and water continues to stand in some basements in lower parts of city.

River crested here about 17.3 during the forenoon (presumably about 9 a.m.) and special river reading at noon showed that it had receded to 17.0 ft.

An excellent day for flying. Ceilings ranged from 3,000 ft to 5,000 ft and visibility around ten Miles all day.

Form No. 1014—Met'l

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Saturday, (Date) MAY 13 1933, 193

Time (local standard) 90 mer. normal time.

| | A.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 | P.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Temperature at end of hour | 70 | 70 | 66 | 64 | 65 | 65 | 67 | 68 | 67 | 66 | 67 | 65 | 67 | 69 | 70 | 68 | 67 | 65 | 64 | 63 | 62 | 61 | 61 | 61 |
| State of weather. Nature of precipitation and time of beginning and ending | | RB ON 4 | | | RE ON 4 | | | | RB 8:00 | | | RE 12:00 | | | | | | | | | | | | |
| Amounts of precipitation | | (2) | (2) | (1) | (1) | | | | | (1) | (2) | (1) | | | | | | | | | | | | |
| Cloudiness and other conditions | | .12 | .13 | .07 | .01 | | | | T | .05 | .06 | .01 | | | | | | | | | | | | |
| | | | | | | ← | | | | | | Cloudy | → | | | | | | | | | | | |
| Sunshine (in tenths of hours) | | | | | 0 | 0 | 0.1 | 0 | 0 | 0 | 0 | 0 | 0.2 | 1.0 | 0.6 | 0 | 0 | 0 *0.2 | 0 *.83 | | | | | |
| Wind direction | SW | SW | SW | S | S | S | S | SW | S | SW | W | W | SW | W | W | W | W | W | W | W | SW | SW | SW | SW |
| Wind movement | 15 | 14 | 18 | 12 | 10 | 12 | 11 | 14 | 12 | 12 | 13 | 11 | 9 | 13 | 16 | 15 | 12 | 10 | 8 | 8 | 8 | 7 | 7 | 5 |
| Maximum velocities (exceeding 24 miles) direction and time | | | 2:03 28 SW | | | | | | | | | | | | | | | | | | | | | |

Sunrise: Time, 4:25 Character, Cloudy. Moonrise:

Sunset: Time, 6:50 Character, Clear after 5:45. Moonset:

Wind data corrected to true velocity.

Excessive precipitation, accumulated amounts

| Total duration. From— | To— | Total amount of precipitation. | Excessive rate. Began— | Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | | | | | |

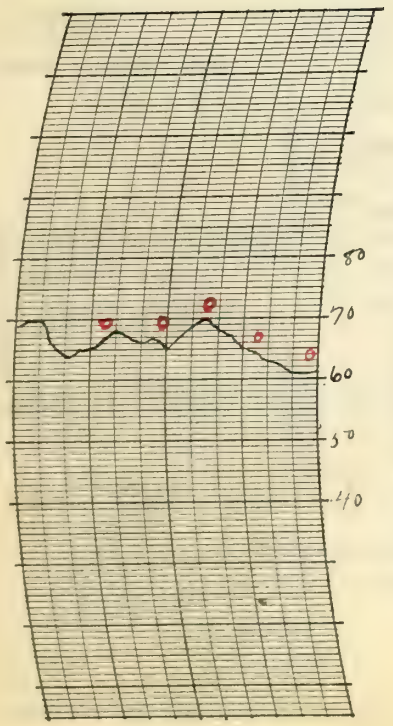
| Maximum Temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 70 | 61 | 66 | |

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m.; 33 ins.; to 7 p. m., .12 ins.
Total precipitation, midnight to midnight, 0.45 inches.
Character of day, Cloudy Moon phase,
Average daily cloudiness (0-10), 10
Actual sunshine, hours, 2.9 Possible sunshine, hours, 14.4
Per cent of possible sunshine, 20
Prevailing wind direction, SW Total wind, 272
Average hourly velocity, 11.3 Extreme velocity, 30
Maximum velocity, 28 Direction, SW
Time began, 2:03 a-m
Reduced barometer, 29.77 7 a. m. 29.85 7 p. m.
River gage, +16.1 feet
Relative humidity, 89 7 a. m. 69 7 p. m.

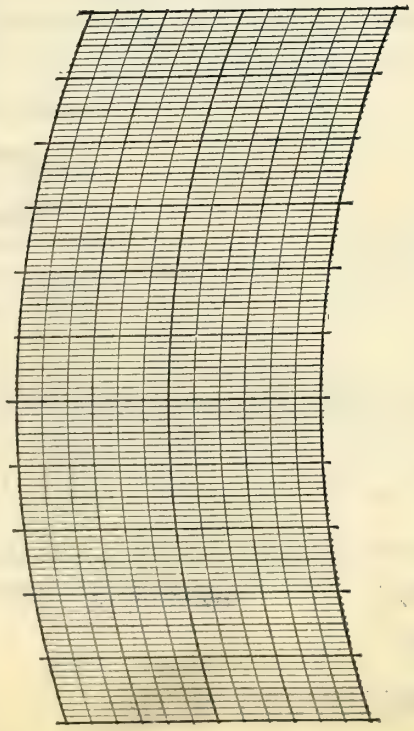
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 65.4 Wet temperature, 62.4
Dew-point, 60 R. humidity, 85 V. pressure, 517
Clouds: Amount, 10; Kind, St-Cu; Direction, W
Velocity of clouds (miles per hour)

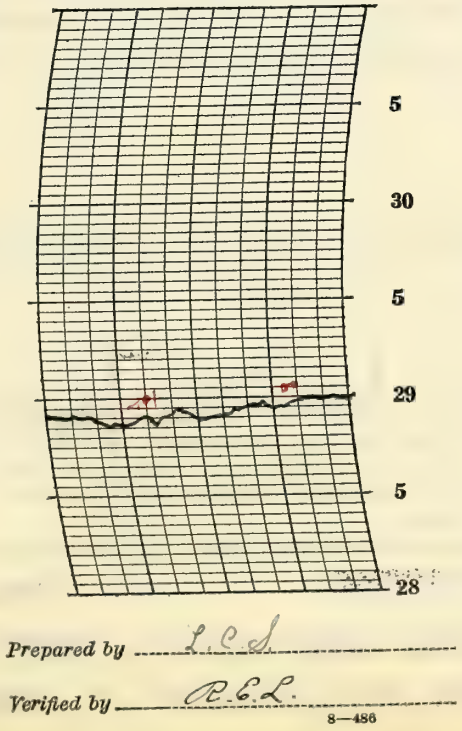
THERMOGRAPH




THERMOGRAPH




BAROGRAPH.




Prepared by L C S

Verified by R.E.L.

8—486

## NOTES

* numbers in parentheses hundredths added to automatic record

River is receding this Morning. Lowlands Continue to be flooded and basements in lower parts of city still have some water in them.

a heavy thunderstorm With sharp flashes of lightning occurred during the early Morning hours No damage has been reported

Day was suitable for flying

Form No. 1014—Met'l

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Sunday, (Date) MAY 14 1933, 193

Time (local standard) 90 mer. normal time.

| | A. M. | | | | | | | | | | | | P. M. | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 | 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 |
| Temperature at end of hour | 61 | 60 | 59 | 58 | 58 | 57 | 59 | 60 | 63 | 65 | 67 | 69 | 70 | 73 | 72 | 72 | 70 | 69 | 67 | 64 | 63 | 62 | 61 | 60 |
| State of weather. Nature of precipitation and time of beginning and ending | | | | | | | | | | | | | | | | | | | | | | | | |
| Amounts of precipitation | | | | | | | | | | | | | | | | | | | | | | | | |
| Cloudiness and other conditions | | | | | | Pt Cloudy | | | | | | | | | | | | | Cloudy | | | | | |
| Sunrise: Time, 4:24 Character, Clear. Moonrise: | | | | | | | | | | | | | | | | | | | | | Sunset: Time, 6:51 Character, Cloudy. Moonset: | | | |
| Sunshine (in tenths of hours) | | | | | .6 0 | 1.0 0 | 0.6 0.4 | 0.4 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 0.4 | 0.1 | 0 | | | | | |
| Wind direction | SW | W | NW | NW | NW | NW | NW | NW | NW | NW | NW | NW | NW | NW | W | W | W | W | W | W | SW | SW | SW | SW |
| Wind movement | 6 | 7 | 5 | 4 | 4 | 5 | 7 | 9 | 10 | 12 | 12 | 12 | 13 | 14 | 14 | 14 | 13 | 9 | 8 | 8 | 6 | 7 | 5 | 6 |
| Maximum velocities (exceeding 24 miles) direction and time | | | | | | | | | | | | | | | | | | | | | | | | |

Wind data corrected to true velocity.

| Total duration. From— | To— | Total amount of precipitation. | Excessive rate. Began— | Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | | | | | |

Excessive precipitation, accumulated amounts

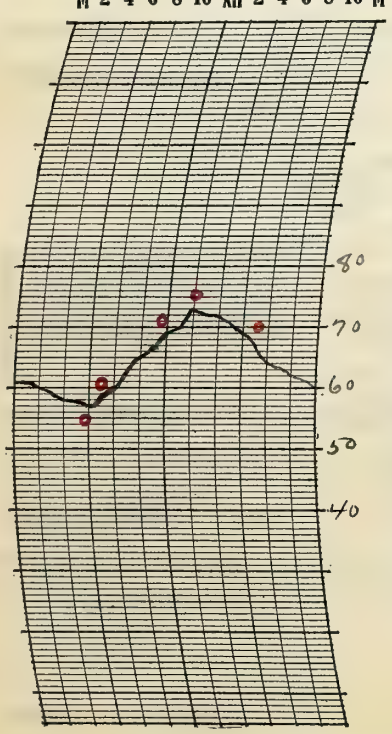
| Maximum Temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 73 | 57 | 65 | |

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Pt Cloudy Moon phase,
Average daily cloudiness (0-10), 5
Actual sunshine, hours, 11.5 Possible sunshine, hours, 14.4
Per cent of possible sunshine, 80
Prevailing wind direction, NW Total wind, 210
Average hourly velocity, 8.8 Extreme velocity, 18
Maximum velocity, 18 Direction, W
Time began, 3:14 P. M.
Reduced barometer, 29.94 7a. m. 30.07 7p. m.
River gage, +15.7 feet
Relative humidity, 68 7a. m. 53 7p. m.

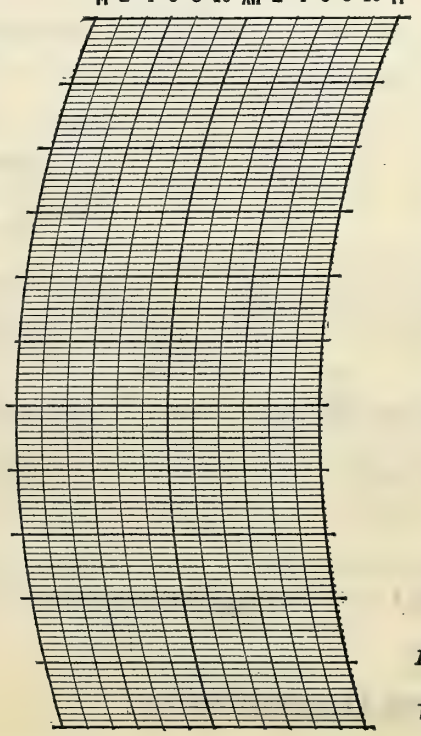
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 69.0 Wet temperature, 55.1
Dew-point, 43 R. humidity, 40 V. pressure, 27.7
Clouds: Amount, 4; Kind, Cu; Direction, W
Velocity of clouds (miles per hour)

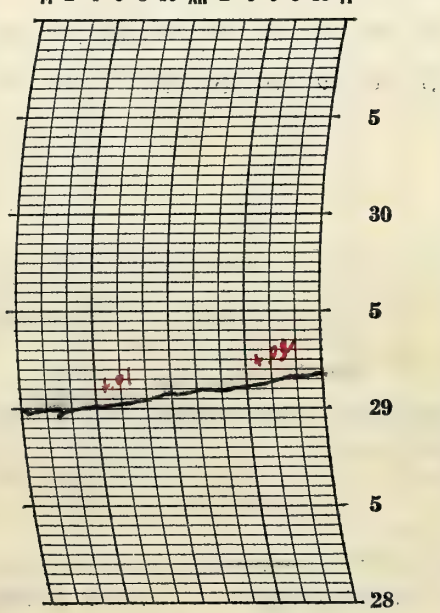
THERMOGRAPH




THERMOGRAPH




BAROGRAPH.




Prepared by L. C. S.

Verified by R. E. L.

8—486

## NOTES

River continues to recede yet basements in lower parts of city and lowlands continue to be flooded, a special river reading at 6:00 P.M. showed the river to be 15.5 ft

an excellent day for flying

Ceilings unlimited and visibility from 7 to 10 miles

Form No. 1014—Met'1

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Monday, (Date) MAY 15 1933, 193

Time (local standard) 90 mer. normal time.

| | A.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Temperature at end of hour | 59 | 58 | 58 | 58 | 57 | 57 | 59 | 63 | 63 | 59 RB 9:35 | 57 | 56 |
| State of weather. Nature of precipitation and time of beginning and ending | | | | | | | | | | | (1) | (2) |
| Amounts of precipitation | | | | | | | | | | .01 | .05 | .11 |
| Cloudiness and other conditions | | | | | | ← Cloudy | | | | | | |
| Sunrise: Time, Character, 4:23 Cloudy. Moonrise: | | | | | | | | | | | | |
| Sunshine (in tenths of hours) | | | | | 0 | 0 | 0 | 0.4 | 0 | 0 | 0 | 0 |
| Wind direction | SW | SW | SW | SW | SW | SW | SW | SW | SW | S | S | S |
| Wind movement | 6 | 7 | 5 | 5 | 6 | 4 | 4 | 6 | 12 | 13 | 11 | 9 |
| Maximum velocities (exceeding 24 miles) direction and time | | | | | | | | | | | | |

| | P.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Temperature at end of hour | 56 | 57 | 56 | 56 | 56 | 55 | 56 RE 6:40 | 56 RB 9:10 | 56 | 56 | 55 | 55 R end |
| State of weather. Nature of precipitation and time of beginning and ending | (1) | | (1) | | | | (1) | | | | | |
| Amounts of precipitation | .04 | T | .04 | .02 | .01 | T | .01 | T | .02 | .01 | .02 | T |
| Cloudiness and other conditions | | | | | | | | | → | | | |
| Sunset: Time, Character, 6:52 Cloudy. Moonset: | | | | | | | | | | | | |
| Sunshine (in tenths of hours) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | |
| Wind direction | SE | E | E | NE | NE | NE | NE | E | NE | NE | NE | NE |
| Wind movement | 8 | 7 | 5 | 6 | 7 | 7 | 8 | 8 | 7 | 7 | 7 | 6 |
| Maximum velocities (exceeding 24 miles) direction and time | | | | | | | | | | | | |

Wind data corrected to true velocity.

| Maximum Temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 63 | 55 | 59 | |

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m.; .29 ins.
Total precipitation, midnight to midnight, .34 inches.
Character of day, Cloudy Moon phase,
Average daily cloudiness (0-10), 10
Actual sunshine, hours, 0.4 Possible sunshine, hours, 14.5
Per cent of possible sunshine, 3
Prevailing wind direction, SW Total wind, 171
Average hourly velocity, 7.1 Extreme velocity, 16
Maximum velocity, 16 Direction, S
Time began, 9:20 a.m.
Reduced barometer, 30.13 7 a. m. 29.96 7 p. m.
River gage, 14.7 [illegible]
Relative humidity, 75 7 a. m. 95 7 p. m.

| Total duration. From— | To— | Total amount of precipitation. | Excessive rate. Began— | Ended— | Amount before excessive began. |
|---|---|---|---|---|---|
| | | | | | |

Excessive precipitation, accumulated amounts

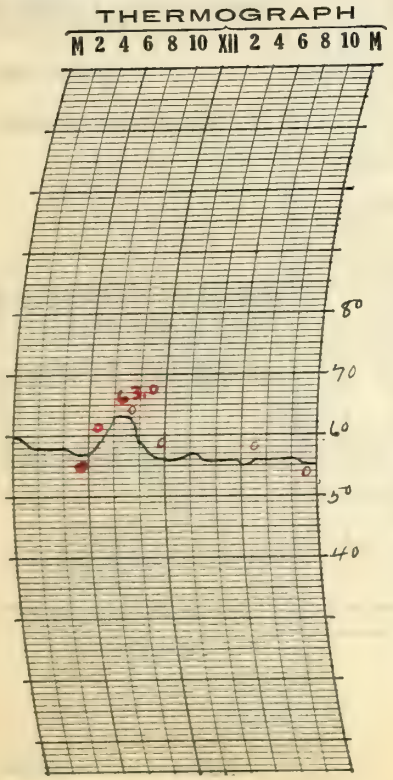
Accumulated depths during excessive rate, for consecutive periods of time indicated below.

| 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | |

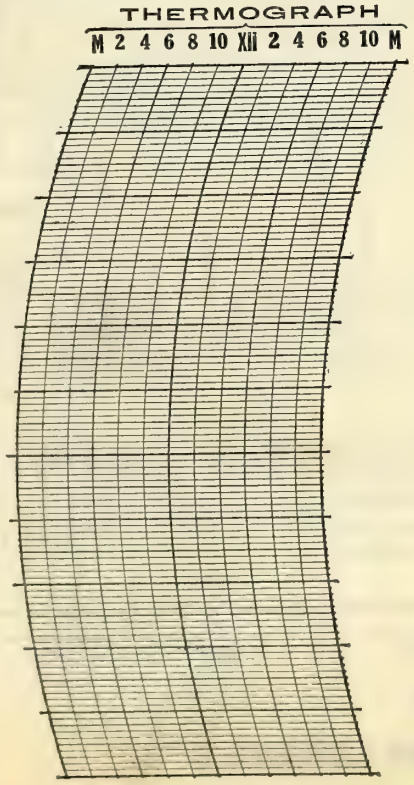
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 56.0 Wet temperature, 53.9
Dew-point, 53 R. humidity, 87 V. pressure, .402
Clouds: Amount, 10; Kind, St; Direction, SE
Velocity of clouds (miles per hour)

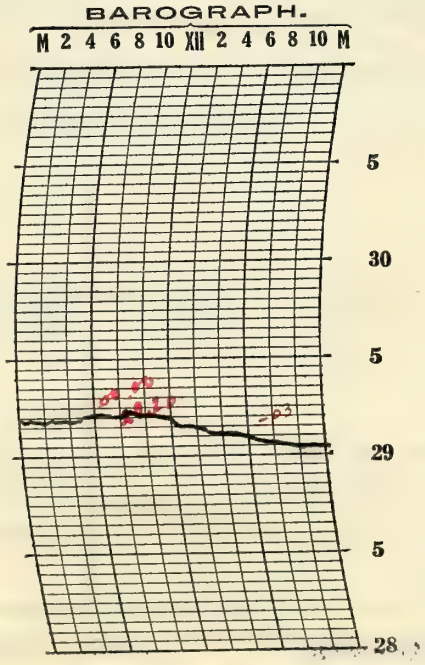
THERMOGRAPH




THERMOGRAPH




BAROGRAPH.




Prepared by L. C. A.

Verified by R. E. L.

8—486

## NOTES

The Maumee River is slightly below flood stage this morning.
The day was fair for flying.
Visibility was around three miles and ceiling ranged from 6 to 8 hundred ft.
* Numbers in parenthesis hundredths added to automatic record

Form No. 1014—Met'1

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

# DAILY LOCAL RECORD.

(Station) Fort Wayne. Ind., (Day of week) Tuesday, (Date) MAY 16 1933, 193

Time (local standard) 90 mer. normal time.

| | A.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 | P.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Temperature at end of hour | 54 | 54 | 54 | 54 | 54 | 53 | 53 | 53 | 54 | 55 | 57 | 60 | 58 | 61 | 62 | 62 | 62 | 62 | 61 | 59 | 58 | 57 | 56 | 54 |
| State of weather. Nature of precipitation and time of beginning and ending | R cutd | | | | | | RE 6:30 | RB 7:00 RE 7:35 | | | | | | | | | | | | | | | | |
| Amounts of precipitation | T | T | T | T | .01 | .01 | .01 | T | | | | | | | | | | | | | | | | |
| Cloudiness and other conditions | ← | | | | | | | | | Cloudy | | | → | Pt Cloudy | | | | Clear | | | | | | |
| Sunshine (in tenths of hours) | | | | | 0 | 0 | 0 | 0 | 0 | 0.1 | 1.0 | 0.6 | 0.1 | 1.0 | 0.4 | 0.2 | 1.0 | 0.4 0.6 | .87 0 | | | | | |
| Wind direction | NE | NE | NE | NE | NE | N | N | N | N | N | N | NE | NE | N | NE | NE | NE | NE | NE | NE | NE | NE | NE | NE |
| Wind movement | 6 | 4 | 5 | 3 | 5 | 7 | 7 | 7 | 7 | 6 | 9 | 10 | 5 | 5 | 6 | 5 | 6 | 5 | 5 | 4 | 4 | 5 | 4 | 4 |
| Maximum velocities (exceeding 24 miles) direction and time | | | | | | | | | | | | | | | | | | | | | | | | |

Sunrise: Time, 4:22 Character, Cloudy. Moonrise:

Sunset: Time, 6:52 Character, Clear. Moonset:

Wind data corrected to true velocity.

| Total duration. From— | To— | Total amount of precipitation. | Excessive rate. Began— | Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | | | | | |

Excessive precipitation, accumulated amounts

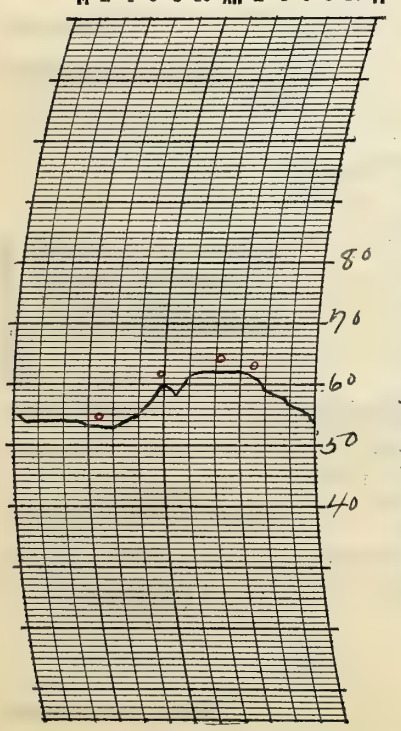
| Maximum Temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 62 | 53 | 58 | |

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., .08 ins.; to 7 p. m., T ins.
Total precipitation, midnight to midnight, .03 inches.
Character of day, Pt Cloudy Moon phase,
Average daily cloudiness (0-10), 7
Actual sunshine, hours, 6.3 Possible sunshine, hours, 14.5
Per cent of possible sunshine, 43
Prevailing wind direction, NE Total wind, 134
Average hourly velocity, 5.6 Extreme velocity, 12
Maximum velocity, 12 Direction, NE
Time began, 11:13 a.m.
Reduced barometer, 30.02 7 a. m. 30.11 7 p. m.
River gage, +13.8 feet
Relative humidity, 93 7 a. m. 67 7 p. m.

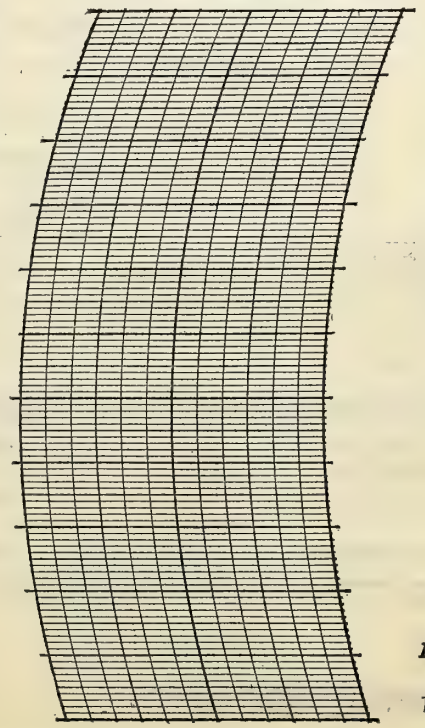
OBSERVATIONS AT 12 NOON. (Local Mean Time.)

Dry temperature, 59.6 Wet temperature, 52.6
Dew-point, 47 R. humidity, 63 V. pressure, 322
Clouds: Amount, 10; Kind, Strat; Direction, N
Velocity of clouds (miles per hour)

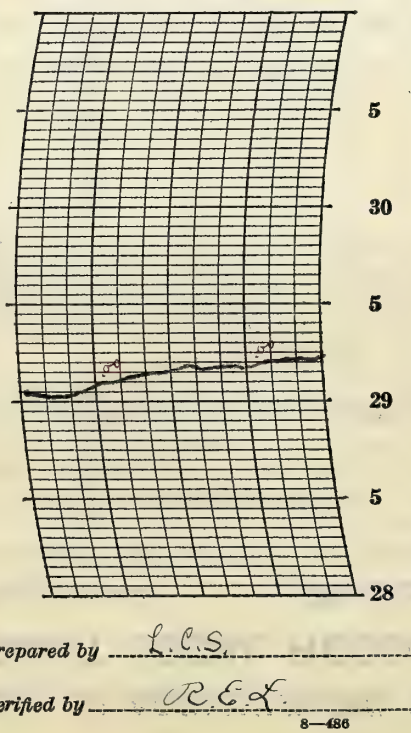
THERMOGRAPH




THERMOGRAPH




BAROGRAPH.




Prepared by L.C.S.

Verified by R.E.L.

8—486

## NOTES

River is now well back in the banks. The condition reported in regards to basements and lowlands has now ceased. Day was excellent for flying. Visibility was 2 to 15 miles and ceiling fifteen hundred to four thousand feet.

Form No. 1014—Met'1

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Wednesday, (Date) MAY 17 1933, 193

| Time (local standard) 90 mer. normal time. | A.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 | P.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Temperature at end of hour | 54 | 53 | 52 | 51 | 51 | 53 | 58 | 61 | 63 | 64 | 65 | 67 | 68 | 70 | 71 | 71 | 71 | 70 | 69 | 66 | 64 | 63 | 62 | 61 |
| State of weather. Nature of precipitation and time of beginning and ending | | | | | | | | | | | | | | | | | | | | | | | | |
| Amounts of precipitation | | | | | | | | | | | | | | | | | | | | | | | | |
| Cloudiness and other conditions | | | | | | ← Pt Cloudy | | | | | | × | Clear | | | | | | | | | | | → |
| Sunrise: Time, Character, 4:21 Clear. Moonrise: | | | | | | | | | | | | | | | | | | | | | Sunset: Time, Character, 6:53 Clear. Moonset: | | | |
| Sunshine (in tenths of hours) | | | | | .65 0 | 0.8 0.2 | 1.0 | 0.4 | 0.8 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 0.5 0.5 | .58 0 | | | | | |
| Wind direction | NE | NE | 0 | NE | NE | SE | SE | SE | S | SE | SE | S | SE | S | S | S | SE | SE | SE | SE | SE | SE | SE | SE |
| Wind movement | 2 | 3 | 1 | 2 | 5 | 8 | 7 | 8 | 10 | 11 | 11 | 10 | 10 | 9 | 9 | 7 | 9 | 9 | 7 | 6 | 8 | 9 | 8 | 7 |
| Maximum velocities (exceeding 24 miles) direction and time | | | | | | | | | | | | | | | | | | | | | | | | |

Wind data corrected to true velocity.

| Excessive precipitation, accumulated amounts | Total duration. From— | To— | Total amount of precipitation. | Excessive rate. Began— | Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | | | | | | |

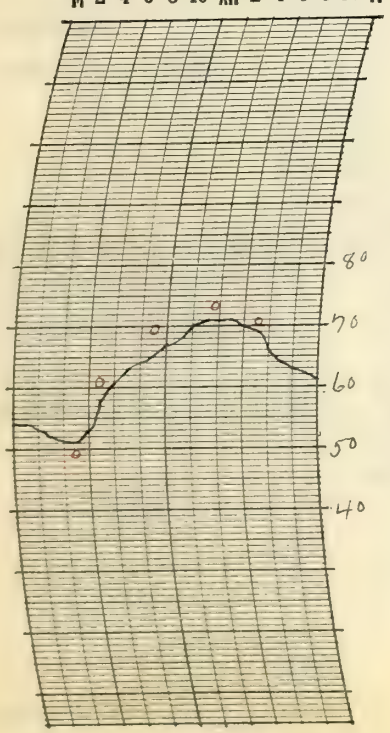
| Maximum Temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 71 | 51 | 61 | |

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Clear Moon phase,
Average daily cloudiness (0-10), 2
Actual sunshine, hours, 13.7 Possible sunshine, hours, 14.5
Per cent of possible sunshine, 94
Prevailing wind direction, SE Total wind, 176
Average hourly velocity, 7.3 Extreme velocity, 14
Maximum velocity, 13 Direction, S
Time began, 10:14 a. m.
Reduced barometer, 30.19 7 a. m. 30.17 7 p. m.
River gage, +13.1 feet
Relative humidity, 69 7 a. m. 50 7 p. m.

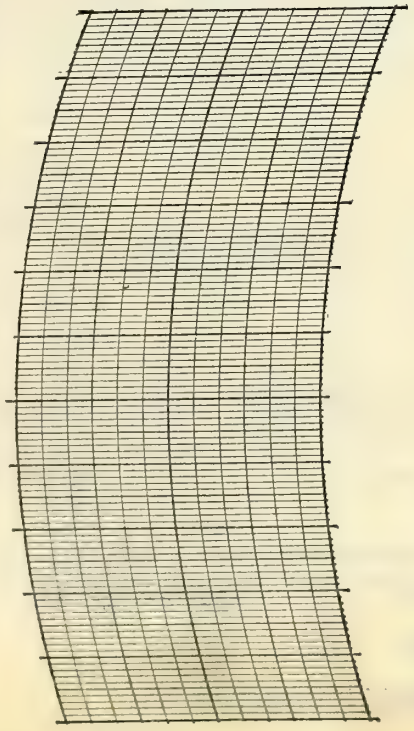
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 66.9 Wet temperature, 56.4
Dew-point, 49 R. humidity, 52 V. pressure, .347
Clouds: Amount, 3; Kind, Cu; Direction, SE
Velocity of clouds (miles per hour)

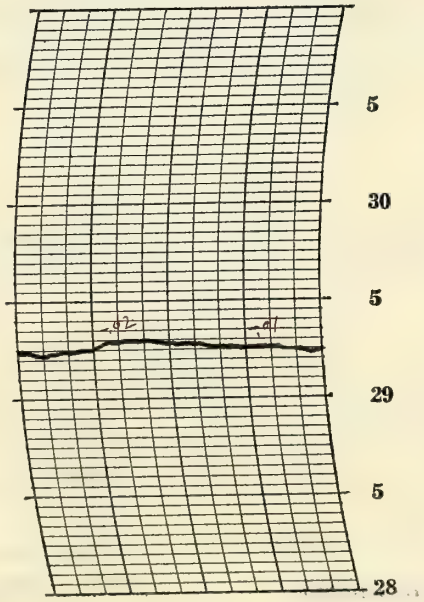
THERMOGRAPH




THERMOGRAPH




BAROGRAPH.




Prepared by L. C. L.

Verified by R. E. L.

8—486

## NOTES

Fair flying conditions excellent. Visibility ten to fifteen miles and ceiling unlimited all day.

Form No. 1014—Met'l

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Thursday, (Date) MAY 18 1933, 193

Time (local standard) 90 mer. normal time.

| | A.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 | P.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Temperature at end of hour | 59 | 58 | 58 | 56 | 56 | 58 | 61 | 66 | 68 | 70 | 72 | 73 | 72 | 74 | 75 | 75 | 74 | 73 | 72 | 69 | 68 | 66 | 65 | 64 |
| State of weather. Nature of precipitation and time of beginning and ending | | | | | | | | | | | | | | RB 1:15 RE 1:20 | | | | | | | | | | RB DNP RE DNP |
| State of weather. Amounts of precipitation | | | | | | | | | | | | | | T | | | | | | | | | | T |
| State of weather. Cloudiness and other conditions | | | | | ← Cloudy | × | P+ Cloudy | | | | | | Cloudy | | | | | × Clear | | → | | | | |
| Sunshine (in tenths of hours) | | | | | .6 / 0 | 1.0 / 0 | 0.3 / 0.5 | 1.0 | 0.9 | 1.0 | 1.0 | 1.0 | 0.6 | 0.6 | 1.0 | 0.8 | 0.4 | 0 | 0 | | | | | |
| Wind direction | SE | SE | SE | SE | SE | SE | S | S | S | S | S | S | S | S | SE | S | S | SE | SE | S | S | SE | S | S |
| Wind movement | 6 | 4 | 6 | 6 | 6 | 8 | 8 | 9 | 12 | 14 | 13 | 14 | 13 | 12 | 14 | 13 | 13 | 9 | 9 | 9 | 8 | 9 | 9 | 8 |
| Maximum velocities (exceeding 24 miles) direction and time | | | | | | | | | | | | | | | | | | | | | | | | |

Sunrise: Time, 4:20 Character, Clear. Moonrise:

Sunset: Time, 6:54 Character, Cloudy. Moonset:

Wind data corrected to true velocity.

Excessive precipitation, accumulated amounts

| Total duration. From— | To— | Total amount of precipitation. | Excessive rate. Began— | Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | | | | | |

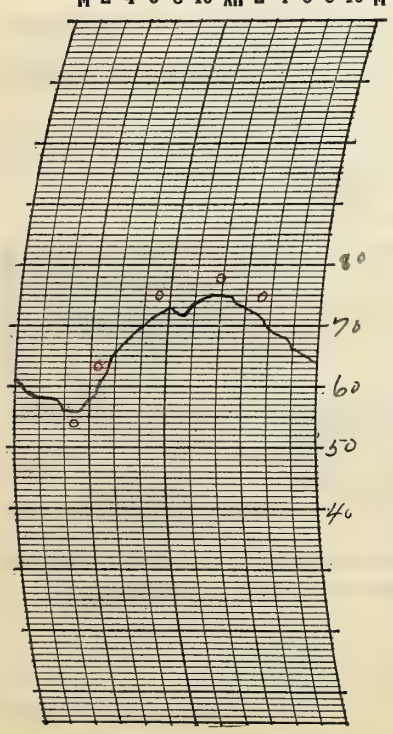
| Maximum Temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 75 | 56 | 66 | |

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., T ins.
Total precipitation, midnight to midnight, T inches.
Character of day, P+ Cloudy Moon phase,
Average daily cloudiness (0-10), 7
Actual sunshine, hours, 10.8 Possible sunshine, hours, 14.6
Per cent of possible sunshine, 74
Prevailing wind direction, S Total wind, 232
Average hourly velocity, 9.7 Extreme velocity, 19
Maximum velocity, 17 Direction, SE
Time began, 3:17 P. M.
Reduced barometer, 30.22 7 a. m. 30.09 7 p. m.
River gage, +11.7 feet
Relative humidity, 64 7 a. m. 57 7 p. m.

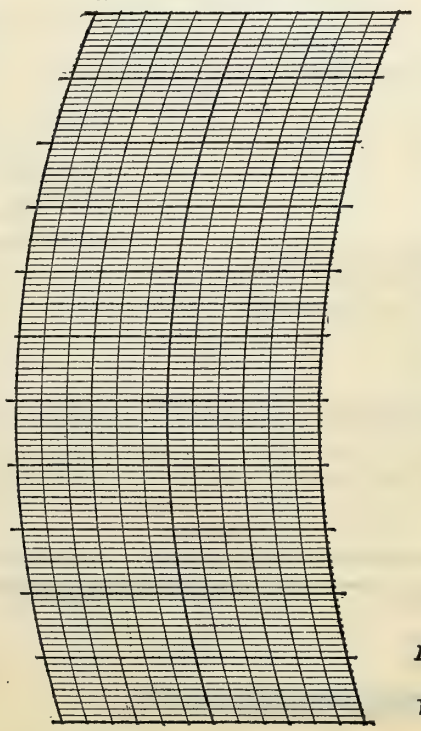
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 72.6 Wet temperature, 59.1
Dew-point, 50 R. humidity, 45 V. pressure, 360
Clouds: Amount, 6; Kind, A Cu; Direction, S
Velocity of clouds (miles per hour)

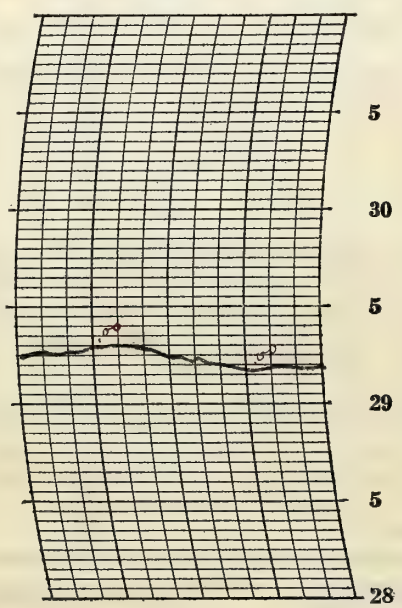
THERMOGRAPH




THERMOGRAPH




BAROGRAPH.




Prepared by L. C. L.

Verified by R. C. L.

8—486

## NOTES

Flying conditions were excellent all day.

Form No. 1014—Met'1

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Friday, (Date) MAY 19 1933, 193

Time (local standard) 90 mer. normal time.

| | A.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 | P.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Temperature at end of hour | 63 | 62 | 61 | 61 | 62 | 64 | 67 | 70 | 72 | 70 | 70 | 65 | 64 | 70 | 75 | 76 | 76 | 74 | 74 | 72 | 69 | 68 | 67 | 68 |
| State of weather: Nature of precipitation and time of beginning and ending | | | | | | | | | | | | RB 11:06 (5) | RE 12:40 (1) | | | | | | | | | | | |
| Amounts of precipitation | | | | | | | | | | | | .31 | .04 | | | | | | | | | | | |
| Cloudiness and other conditions | | | | | | + Partly + | | | | | | Cloudy | × Pt Cloudy | | | | | | | | | | | |
| Sunrise: Time, Character, 4:19 Clear. Moonrise: | | | | | | | | | | | | | | | | | | | | | Sunset: Time, Character, 6:55 Clear. Moonset: | | | |
| Sunshine (in tenths of hours) | | | | | .68 0 | 1.0 0 | 0.1 0.8 | 0.6 | 0 | 0 | 0 | 0 | 0 | 0 | 0.6 | 1.0 | 0.9 | 0.5 0.3 | .92 0 | | | | | |
| Wind direction | S | S | S | S | S | S | S | SW | S | SW | SW | W | S | S | SW | SW | SW | SW | W | W | W | W | W | W |
| Wind movement | 7 | 5 | 6 | 5 | 7 | 9 | 11 | 12 | 12 | 13 | 11 | 9 | 9 | 15 | 14 | 14 | 13 | 10 | 7 | 4 | 4 | 6 | 5 | 5 |
| Maximum velocities (exceeding 24 miles) direction and time | | | | | | | | | | | | | | | | | | | | | | | | |

Wind data corrected to true velocity.

| Excessive precipitation, accumulated amounts | Total duration. From— | To— | Total amount of precipitation. | Excessive rate. Began— | Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | | | | | | |

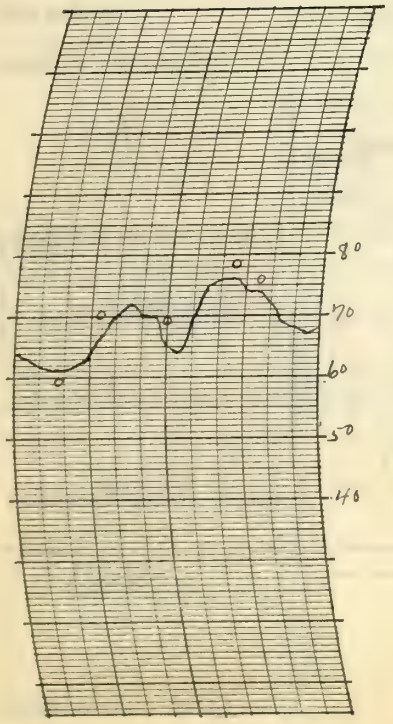
| Maximum Temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 76 | 61 | 68 | |

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., T ins.; to 7 p. m., 0.35 ins.
Total precipitation, midnight to midnight, 0.35 inches.
Character of day, Pt Cloudy Moon phase,
Average daily cloudiness (0-10), 7
Actual sunshine, hours, 7.4 Possible sunshine, hours, 14.6
Per cent of possible sunshine, 51
Prevailing wind direction, S Total wind, 213
Average hourly velocity, 8.9 Extreme velocity, 23
Maximum velocity, 21 Direction, S
Time began, 1:52 P.M.
Reduced barometer, 30.06 7a. m. 30.01 7p. m.
River gage, +9.8 feet
Relative humidity, 71 7a. m. 71 7p. m.

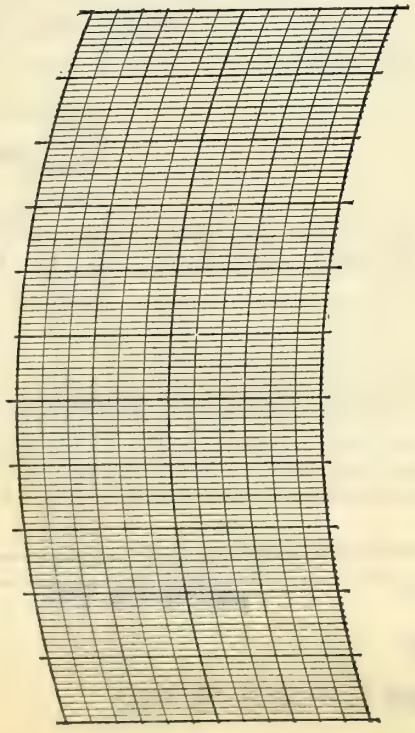
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 65.1 Wet temperature, 62.6
Dew-point, 61 R. humidity, 87 V. pressure, .536
Clouds: Amount, 10; Kind, Nb; Direction, W
Velocity of clouds (miles per hour)

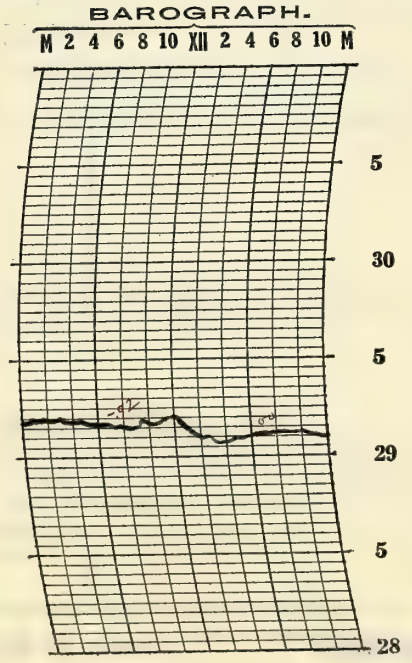
THERMOGRAPH




THERMOGRAPH




BAROGRAPH.




Prepared by L.C.S.

Verified by R.E.L.

8—486

## NOTES

a moderate thunderstorm occurred from 10:55A to 12:30P. No damage reported

7 lying conditions were good except during the time of the thunderstorm

a faint solar halo was observed from 2:30P to 3:00P.

* number in parenthesis hundredths added to automatic record

Form No. 1014—Met'l

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Saturday, (Date) MAY 20 1933, 193

Time (local standard) 90 mer. normal time.

| | A.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 | P.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Temperature at end of hour | 68 | 68 | 68 | 68 | 68 | 69 | 69 | 71 | 75 | 76 | 78 | 77 | 78 | 79 | 80 | 79 | 78 | 76 | 74 | 71 | 68 | 66 | 65 | 64 |
| State of weather. Nature of precipitation and time of beginning and ending | RB DNH RL DNH | | | | | | | | | | | | | | | | | | | | | | | |
| Amounts of precipitation | T | | | | | | | | | | | | | | | | | | | | | | | |
| Cloudiness and other conditions | | | | | | ← Cloudy | | | + P+ Cldy | | | | → | | | | | Clear | | | | | | |
| Sunrise: Time, 4:18 Character, Cloudy | | | | | | | | | | | | | | | | | | | | | Sunset: Time, 6:56 Character, Clear | | | |
| Moonrise: | | | | | | | | | | | | | | | | | | | | | Moonset: | | | |
| Sunshine (in tenths of hours) | | | | | 0 | 0 | 0 | 0.4 | 0.7 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 0.2 0.8 | .93 0 | | | | | |
| Wind direction | W | W | SW | SW | SW | SW | W | SW | SW | SW | W | NW | NW | NW | NW | NW | NW | NW | N | NW | NW | N | N | N |
| Wind movement | 5 | 4 | 9 | 9 | 10 | 8 | 9 | 9 | 12 | 9 | 13 | 12 | 12 | 13 | 12 | 12 | 12 | 10 | 8 | 6 | 7 | 9 | 5 | 5 |
| Maximum velocities (exceeding 24 miles) direction and time | | | | | | | | | | | | | | | | | | | | | | | | |

Wind data corrected to true velocity.

| Total duration. From— | To— | Total amount of precipitation. | Excessive rate. Began— | Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | | | | | |

Excessive precipitation, accumulated amounts

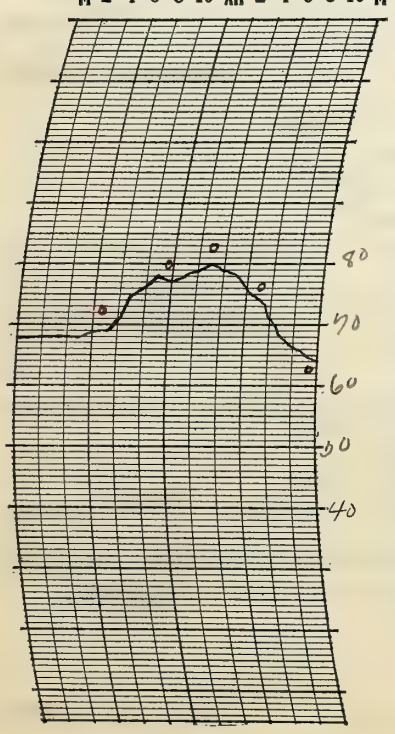
| Maximum Temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 80 | 64 | 72 | |

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., T ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, T inches.
Character of day, P+ Cloudy Moon phase,
Average daily cloudiness (0-10), 4
Actual sunshine, hours, 11.0 Possible sunshine, hours, 14.6
Per cent of possible sunshine, 75
Prevailing wind direction, NW Total wind, 223
Average hourly velocity, 9.3 Extreme velocity, 15
Maximum velocity, 15 Direction, W
Time began, 2:36 P.M.
Reduced barometer, 29.99 7 a. m. 29.98 7 p. m.
River gage, +7.5 feet
Relative humidity, 81 7 a. m. 66 7 p. m.

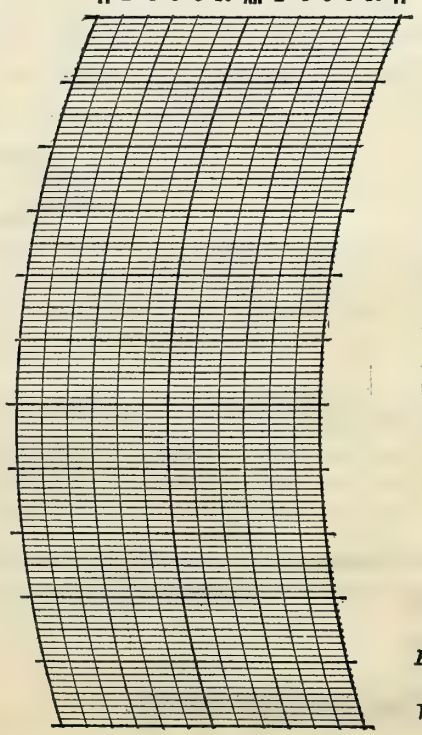
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 76.7 Wet temperature, 65.9
Dew-point, 60 R. humidity, 56 V. pressure, .517
Clouds: Amount, 4; Kind, Cu; Direction, NW
Velocity of clouds (miles per hour)

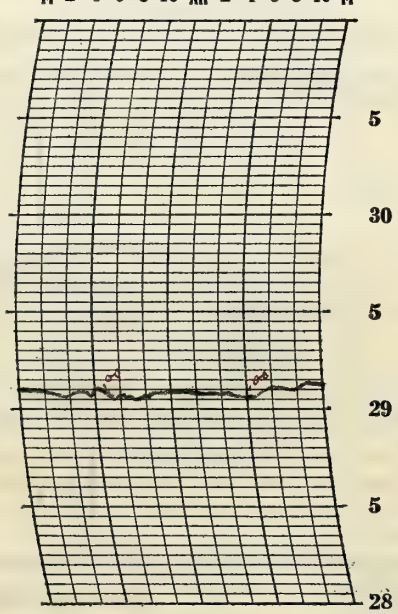
THERMOGRAPH




THERMOGRAPH




BAROGRAPH.




Prepared by L. C. S.

Verified by R. E. L.

8—486

## NOTES

ceilings unlimited with excellent visibility.

Form No. 1014—Met'1

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Sunday, (Date) MAY 21 1933, 193

Time (local standard) 90 mer. normal time.

| | A.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 | P.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Temperature at end of hour | 63 | 62 | 62 | 62 | 62 | 61 | 60 | 61 | 63 | 66 | 69 | 69 | 71 | 73 | 73 | 74 | 74 | 72 | 71 | 69 | 66 | 64 | 63 | 62 |
| State of weather. Nature of precipitation and time of beginning and ending | | | | | | | | | | | | | | | | | | | | | | | | |
| Amounts of precipitation | | | | | | | | | | | | | | | | | | | | | | | | |
| Cloudiness and other conditions | | | | | | | Cloudy | | Clear | | | | P+Cldy | | Clear | | | | | | | | | |
| Sunshine (in tenths of hours) | | | | | 0 | 0 | 0 | 0.4 | 0.9 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 0.9 | 0.8 | 0 | | | | | |
| Wind direction | N | N | N | NE | NE | NE | NE | NE | NE | NE | NE | E | NE | E | NE | NE | E | NE | NE | NE | NE | NE | NE | NE |
| Wind movement | 4 | 5 | 5 | 6 | 8 | 11 | 12 | 12 | 11 | 9 | 8 | 7 | 8 | 8 | 7 | 7 | 6 | 4 | 4 | 4 | 5 | 7 | 7 | 5 |
| Maximum velocities (exceeding 24 miles) direction and time | | | | | | | | | | | | | | | | | | | | | | | | |

Sunrise: Time, 4:18 Character, Cloudy. Moonrise:

Sunset: Time, 6:57 Character, Cloudy. Moonset:

Wind data corrected to true velocity.

| Total duration. From— | To— | Total amount of precipitation. | Excessive rate. Began— | Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | | | | | |

Excessive precipitation, accumulated amounts

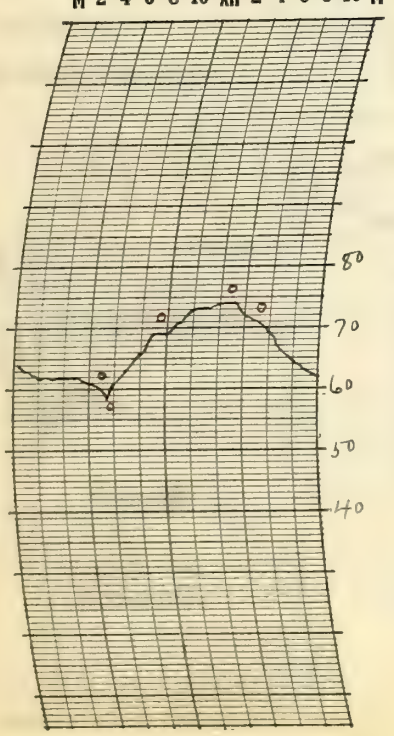
| Maximum Temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 74 | 58 | 66 | |

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, P+ Cloudy Moon phase,
Average daily cloudiness (0-10), 5
Actual sunshine, hours, 10.0 Possible sunshine, hours, 14.6
Per cent of possible sunshine, 68
Prevailing wind direction, NE Total wind, 170
Average hourly velocity, 7.1 Extreme velocity, 16
Maximum velocity, 15 Direction, NE
Time began, 6:07 a.m.
Reduced barometer, 30.11 7 a. m. 30.10 7 p. m.
River gage, +5.7 feet
Relative humidity, 56 7 a. m. 47 7 p. m.

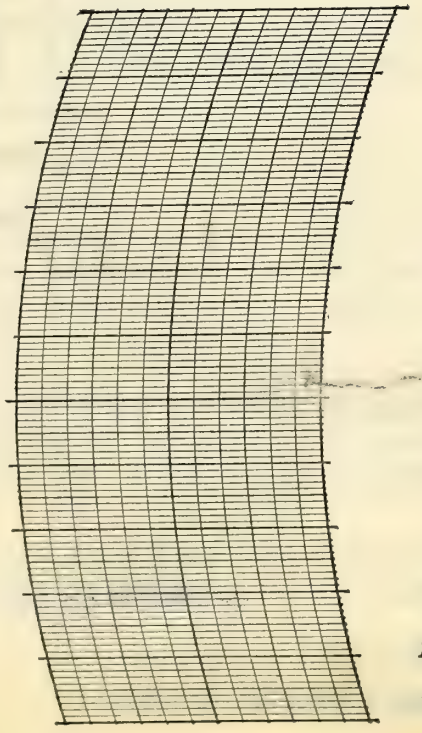
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 69.3 Wet temperature, 56.0
Dew-point, 46 R. humidity, 43 V. pressure, .310
Clouds: Amount, 3; Kind, Cu; Direction, W
Velocity of clouds (miles per hour)

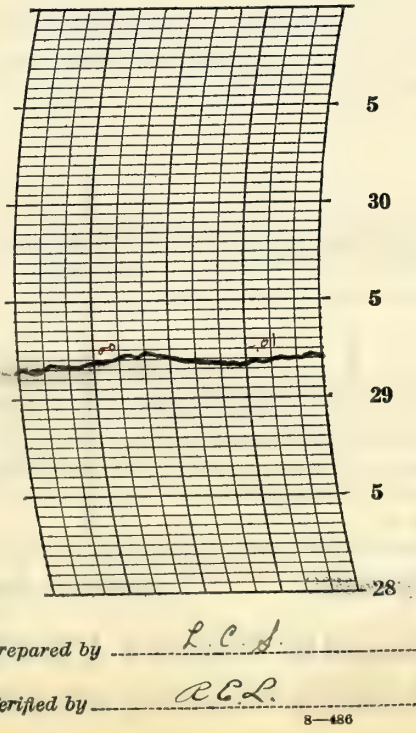
THERMOGRAPH




THERMOGRAPH




BAROGRAPH.




Prepared by L. C. A.

Verified by A. C. L.

8—486

## NOTES

Ceilings very high to unlimited.
Visibility excellent.

Form No. 1014—Met'l

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Monday, (Date) MAY 22 1933, 193

Time (local standard) 90 mer. normal time.

| | A.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 | P.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Temperature at end of hour | 61 | 60 | 59 | 59 | 59 | 60 | 60 | 63 | 64 | 67 | 68 | 68 | 67 | 68 | 69 | 70 | 69 | 68 | 66 | 64 | 62 | 61 | 60 | 58 |
| State of weather. Nature of precipitation and time of beginning and ending | | | | | | | | | | | | | | | | | | | | | | | | |
| Amounts of precipitation | | | | | | | | | | | | | | | | | | | | | | | | |
| Cloudiness and other conditions | | | | | | ← Cloudy | | | | | | | | | | + PM Cloudy | | + Clear | | | → | | | |
| Sunrise: Time, 4:17 Character, Cloudy | | | | | | | | | | | | | | | | | | | | | Sunset: Time, 6:58 Character, Clear | | | |
| Moonrise: | | | | | | | | | | | | | | | | | | | | | Moonset: | | | |
| Sunshine (in tenths of hours) | | | | | 0 | 0 | 0 | 0 | 0.6 | 1.0 | 1.0 | 0.5 | 0.4 | 1.0 | 0.7 | 0.7 | 1.0 | 0.3 0.7 | .97 0 | | | | | |
| Wind direction | NE | NE | NE | NE | NE | NE | SE | SE | SE | SE | SE | SE | SE | SE | SE | SE | SE | SE | SE | SE | SE | SE | SE | SE |
| Wind movement | 5 | 5 | 4 | 5 | 5 | 5 | 7 | 8 | 10 | 12 | 13 | 13 | 11 | 12 | 12 | 11 | 12 | 10 | 9 | 7 | 6 | 9 | 7 | 5 |
| Maximum velocities (exceeding 24 miles) direction and time | | | | | | | | | | | | | | | | | | | | | | | | |

Wind data corrected to true velocity.

| Total duration. From— | To— | Total amount of precipitation. | Excessive rate. Began— | Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | | | | | |

Excessive precipitation, accumulated amounts

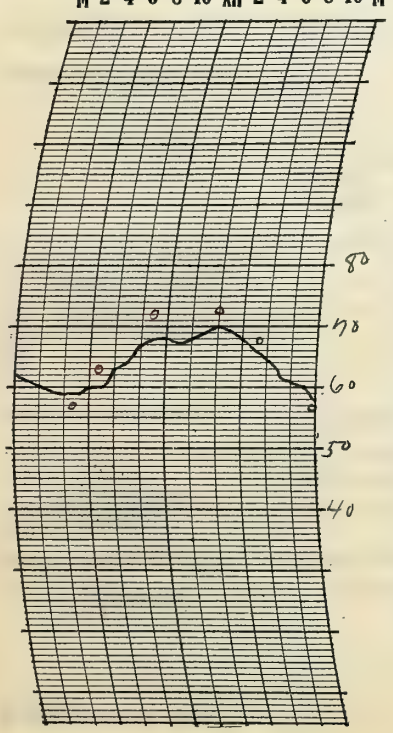
| Maximum Temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 70 | 58 | 64 | |

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Cloudy Moon phase,
Average daily cloudiness (0-10), 8
Actual sunshine, hours, 8.9 Possible sunshine, hours, 14.7
Per cent of possible sunshine, 61
Prevailing wind direction, SE Total wind, 203
Average hourly velocity, 8.5 Extreme velocity, 17
Maximum velocity, 15 Direction, SE
Time began, 11:05 a. m.
Reduced barometer, 30.16 7 a. m. 30.06 7 p. m.
River gage, +4.8 feet
Relative humidity, 63 7 a. m. 53 7 p. m.

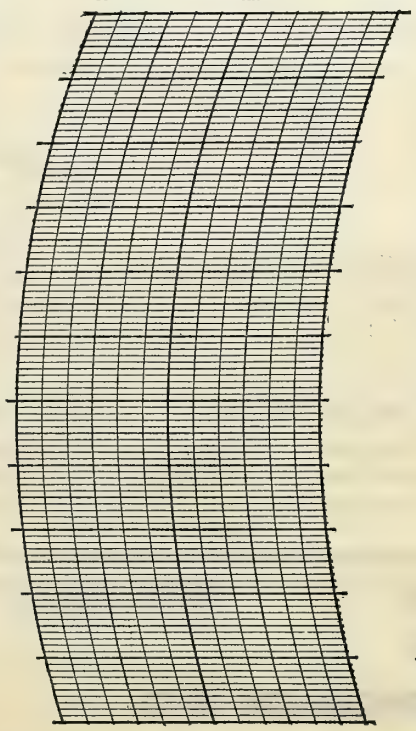
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 67.7 Wet temperature, 55.2
Dew-point, 45 R. humidity, 45 V. pressure, .298
Clouds: Amount, 6 (3); Kind, St (Ac); Direction, S (S)
Velocity of clouds (miles per hour)

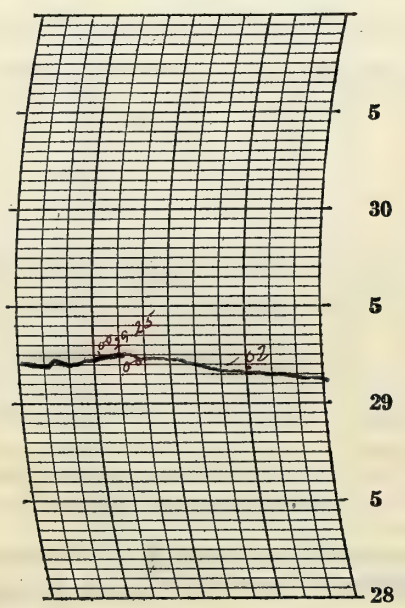
THERMOGRAPH




THERMOGRAPH




BAROGRAPH.




Prepared by L. C. S.

Verified by R. E. L.

8—486

## NOTES

Flying conditions excellent
Visibility good to excellent and clouds around 6,000 ft most of day.

Form No. 1014—Met'1

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Tuesday, (Date) MAY 23 1933, 193

Time (local standard) 90 mer. normal time.

| | A.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 | P.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Temperature at end of hour | 56 | 55 | 55 | 54 | 54 | 57 | 61 | 66 | 70 | 74 | 76 | 78 | 82 | 83 | 84 | 84 | 82 | 81 | 80 | 77 | 76 | 75 | 74 | 73 |
| State of weather. Nature of precipitation and time of beginning and ending | | | | | | | | | | | | | | | | | | | | | | | | |
| Amounts of precipitation | | | | | | ← Clear | | | | | | | | | | | | × 8+ Cloudy | | | → | | | |
| Cloudiness and other conditions | | | | | | | | | | | | | | | | | | | | | | | | |
| Sunshine (in tenths of hours) | | | | | .73 0 | 0.8 0.2 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 0 | 0 | | | | | |
| Wind direction | SE | SE | SE | SE | SE | E | E | SE | SE | S | S | SE | S | S | S | S | S | S | S | S | S | S | S | SW |
| Wind movement | 6 | 6 | 4 | 5 | 4 | 6 | 7 | 9 | 9 | 8 | 9 | 10 | 14 | 15 | 13 | 13 | 13 | 12 | 8 | 9 | 8 | 9 | 9 | 10 |
| Maximum velocities (exceeding 24 miles) direction and time | | | | | | | | | | | | | | | | | | | | | | | | |

Sunrise: Time, 4:16 Character, Clear. Moonrise: ____ ____

Sunset: Time, 6:59 Character, Cloudy. Moonset: ____ ____

Wind data corrected to true velocity.

| Total duration. From— | To— | Total amount of precipitation. | Excessive rate. Began— | Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | | | | | |

Excessive precipitation, accumulated amounts

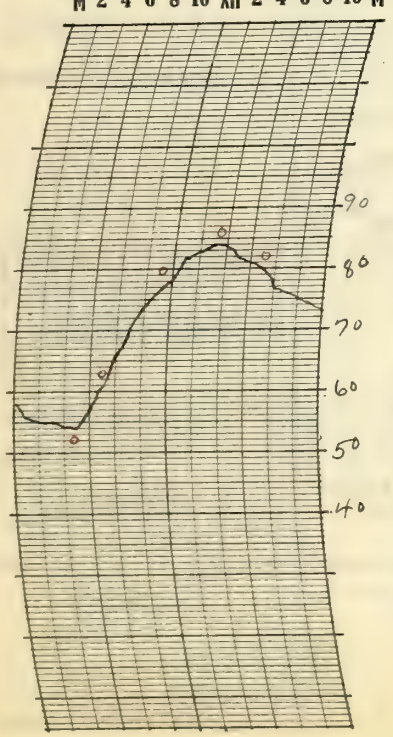
| Maximum Temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 84 | 54 | 69 | |

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Clear Moon phase, ____
Average daily cloudiness (0-10), 1
Actual sunshine, hours, 12.7 Possible sunshine, hours, 14.7
Per cent of possible sunshine, 86
Prevailing wind direction, S Total wind, 216
Average hourly velocity, 9.0 Extreme velocity, 19
Maximum velocity, 17 Direction, S
Time began, 12:18 P.M.
Reduced barometer, 30.05 7 a. m. 29.91 7 p. m.
River gage, +4.1 feet
Relative humidity, 66 7 a. m. 59 7 p. m.

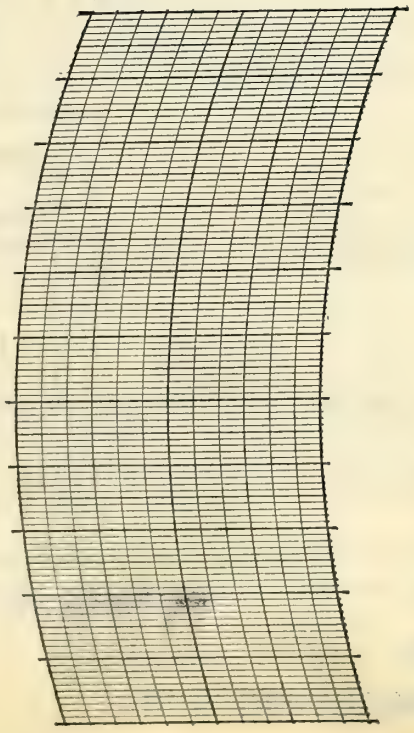
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 78.2 Wet temperature, 67.2
Dew-point, 61 R. humidity, 57 V. pressure, .536
Clouds: Amount, Few; Kind, Ci; Direction, S
Velocity of clouds (miles per hour)

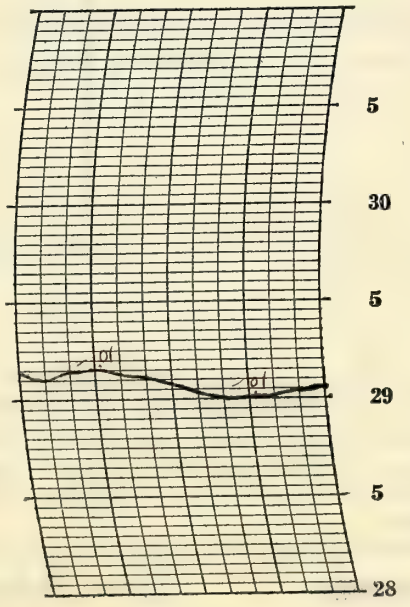
THERMOGRAPH




THERMOGRAPH




BAROGRAPH.




Prepared by L.C.S.

Verified by R.C.L.

8—486

## NOTES

Day was excellent for flying. Cirrus unlimited all day and visibility 5 to 10 miles.

Form No. 1014—Met'l

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Wednesday, (Date) MAY 24 1933, 193

Time (local standard) 90 mer. normal time.

| | A.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 | P.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Temperature at end of hour | 72 | 72 | 71 | 70 | 70 | 69 | 70 | 75 | 77 | 79 | 80 (82) | 81 | 72 | 75 | 78 | 75 | 72 | 69 | 69 | 69 | 68 | 66 | 66 | 66 |
| State of weather. Nature of precipitation and time of beginning and ending | | | | | | RB 5:35 (1) | RE 6:15 | | | | | RB 11:44 (3) | RE 1:00 (2) | | | | | RB 5:25 | (1) | RE 7:05 | | | | |
| Amounts of precipitation | | | | | | .17 | .03 | | | | | .23 | .17 | | | | | .01 | .01 | T | | | | |
| Cloudiness and other conditions | | | | | + Cloudy + | | | | | | | | Pt Cloudy + | | | | | | | | Cloudy | | | |
| Sunshine (in tenths of hours) | | | | | 0 | 0 | 0.4 | 1.0 | 1.0 | 1.0 | 1.0 | 0.6 | 0 | 0.3 | 0.7 | 0 | 0 | 0 | 0 | | | | | |
| Wind direction | SW | SW | S | S | S | SW | SW | SW | W | W | W | W | SW | SW | SW | SW | SW | SW | SW | SW | SW | SW | W | SW |
| Wind movement | 9 | 9 | 9 | 8 | 7 | 9 | 9 | 11 | 12 | 12 | 12 | 12 | 10 | 9 | 7 | 9 | 13 | 14 | 11 | 6 | 6 | 7 | 8 | 8 |
| Maximum velocities (exceeding 24 miles) direction and time | | | | | | | | | | | | | | | | | | | | | | | | |

Sunrise: Time, 4:15 Character, Cloudy. Moonrise:

Sunset: Time, 7:00 Character, Cloudy. Moonset:

Wind data corrected to true velocity.

| Total duration. From— | To— | Total amount of precipitation. | Excessive rate. Began— | Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | | | | | |

Excessive precipitation, accumulated amounts

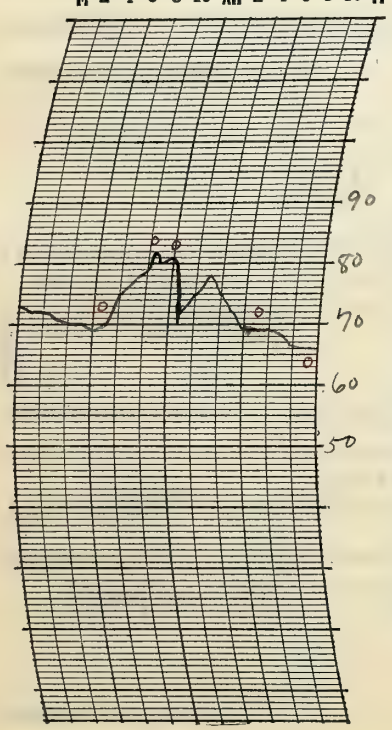
| Maximum Temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 82 | 66 | 74 | |

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m.; 20 ins.; to 7 p. m., .42 ins.
Total precipitation, midnight to midnight, 0.62 inches.
Character of day, Cloudy Moon phase,
Average daily cloudiness (0-10), 9
Actual sunshine, hours, 6.0 Possible sunshine, hours, 14.8
Per cent of possible sunshine, 41
Prevailing wind direction, SW Total wind, 227
Average hourly velocity, 9.5 Extreme velocity, 24
Maximum velocity, 20 Direction, S
Time began, 4:46 P.M.
Reduced barometer, 29.96 7 a. m. 29.94 7 p. m.
River gage, +3.5 feet
Relative humidity, 86 7 a. m. 86 7 p. m.

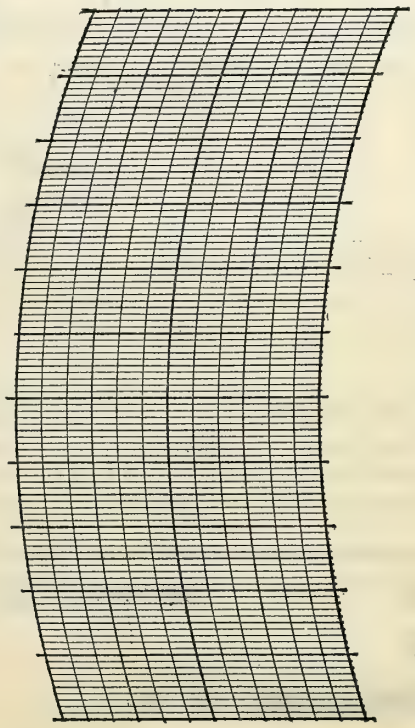
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 80.9 Wet temperature, 71.9
Dew-point, 68 R. humidity, 64 V. pressure, 684
Clouds: Amount, 8; Kind, St Cu; Direction, W
Velocity of clouds (miles per hour)

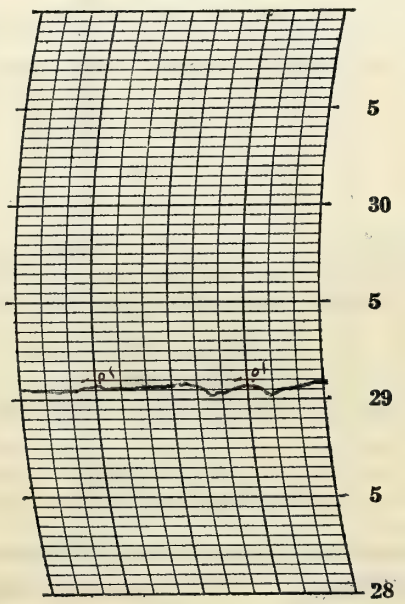
THERMOGRAPH




THERMOGRAPH




BAROGRAPH.




Prepared by L. C. L.

Verified by R. E. L.

8—486

## NOTES

* Numbers in parenthesis hundredths added to automatic record

a Moderate Thunderstorm occurred from 5:35 to 6:15 a.m. No damage reported

a second Moderate Thunderstorm occurred from 11:40 a.m. to 1:30 P.m. No damage reported

Day was excellent for flying except during the time of thunderstorms and in the narrow paths in which they traveled.

Form No. 1014—Met'1

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Thursday, (Date) MAY 25 1933, 193

Time (local standard) 90 mer. normal time.

| | A.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 | P.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Temperature at end of hour | 66 | 65 | 64 | 63 | 62 | 64 | 67 | 72 | 75 | 77 | 78 | 80 | 81 | 81 | 82 | 80 | 79 | 78 | 77 | 75 | 75 | 74 | 72 | 72 |
| State of weather. Nature of precipitation and time of beginning and ending | | | | | | | | | | | | | | | | | | | | | | RB 9:30 RE 9:45 | | |
| Amounts of precipitation | | | | | | | | | | | | | | | | | | | | | | T | | |
| Cloudiness and other conditions | | | | | | ← Clear | | × Pt Cloudy × | | | | Clear → | | | | × Pt Cloudy × | | Cloudy → | | | | | | |
| Sunshine (in tenths of hours) | | | | | .75 0 | 0.8 0.2 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 0.8 | 0.5 | 0.1 | 0 | 0 | | | | |
| Wind direction | SW | W | W | W | W | W | W | W | W | W | NW | N | NW | NW | NW | N | SW | SW | SW | SW | SW | 0 | SW | SW |
| Wind movement | 7 | 7 | 5 | 6 | 5 | 4 | 7 | 6 | 6 | 5 | 7 | 5 | 7 | 6 | 7 | 7 | 6 | 6 | 5 | 6 | 4 | 1 | 3 | 6 |
| Maximum velocities (exceeding 24 miles) direction and time | | | | | | | | | | | | | | | | | | | | | | | | |

Sunrise: Time, 4:15 Character, Clear. Moonrise:

Sunset: Time, 7:01 Character, Cloudy. Moonset:

Wind data corrected to true velocity.

| | Total duration. From— | To— | Total amount of precipitation. | Excessive rate. Began— | Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Excessive precipitation, accumulated amounts | | | | | | | | | | | | | | | | | | | | |

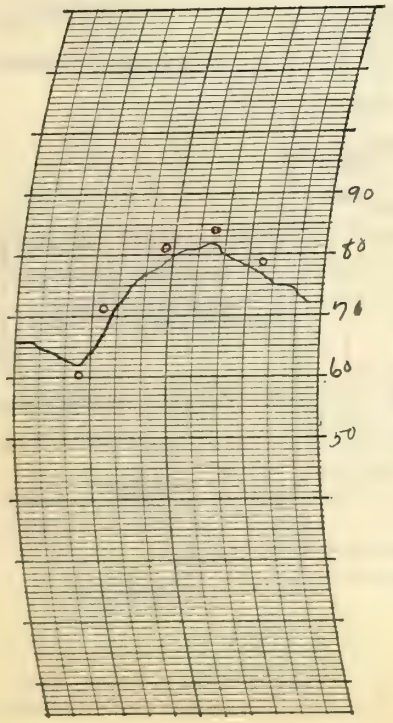
| Maximum Temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 82 | 62 | 72 | |

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., T ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, T inches.
Character of day, Pt Cloudy Moon phase,
Average daily cloudiness (0-10), 4
Actual sunshine, hours, 12.2 Possible sunshine, hours, 14.8
Per cent of possible sunshine, 82
Prevailing wind direction, W Total wind, 134
Average hourly velocity, 5.6 Extreme velocity, 10
Maximum velocity, 10 Direction, SE
Time began, 3:44 P. M
Reduced barometer, 30.06 7 a. m. 29.97 7 p. m.
River gage, +3.6 feet
Relative humidity, 78 7 a. m. 46 7 p. m.

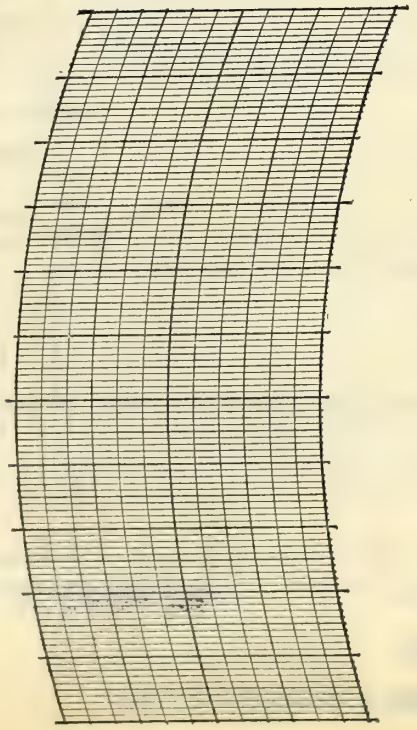
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 80.1 Wet temperature, 61.1
Dew-point, 48 R. humidity, 32 V. pressure, .334
Clouds: Amount, 3; Kind, Ci Cu; Direction, W
Velocity of clouds (miles per hour)

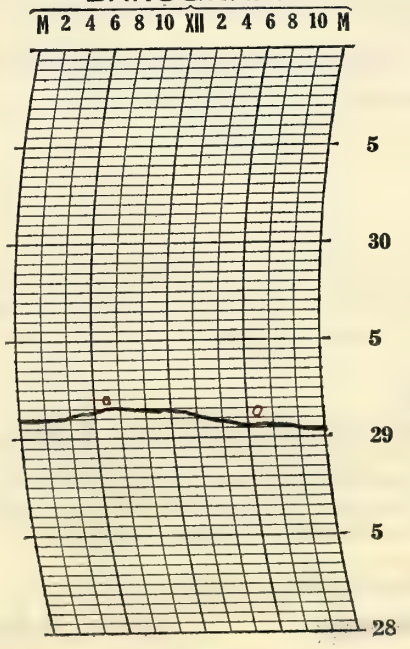
THERMOGRAPH




THERMOGRAPH




BAROGRAPH.




Prepared by L. C. S

Verified by R E L

8—486

## NOTES

Flying Conditions Were excellent entire day. Ceilings unlimited and Visibility 10 to 15 miles all day.

Form No. 1014—Met'1

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Friday, (Date) MAY 26 1933, 193

Time (local standard) 90 mer. normal time.

| | A.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Temperature at end of hour | 71 | 70 | 69 | 68 | 68 | 68 | 69 | 73 | 77 | 81 | 76 | 77 RB 11:01 RE 11:15 |
| State of weather. Nature of precipitation and time of beginning and ending | | | | | | | | | | | | |
| Amounts of precipitation | | | | | | | | | | | | I |
| Cloudiness and other conditions | | | | | | | | | | | | Cloudy |
| Sunshine (in tenths of hours) | | | | | 0 | 0 | 0 | 0.2 | 1.0 | 1.0 | 0.9 | 0.4 |
| Wind direction | SE | SE | SE | SE | SE | SE | SE | S | S | SW | SW | SW |
| Wind movement | 8 | 9 | 7 | 7 | 7 | 8 | 9 | 10 | 12 | 15 | 18 | 16 |
| Maximum velocities (exceeding 24 miles) direction and time | | | | | | | | | | | | |

Sunrise: Time, 4:14 Character, Clouds. Moonrise:

| | P.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Temperature at end of hour | 77 | 78 | 79 | 77 | 73 | 70 | 70 RB 6:35 RE 7:00 | 65 | 63 RB 8:00 RE 9:00 | 62 | 62 | 61 |
| State of weather. Nature of precipitation and time of beginning and ending | | | | | | | | | | | | |
| Amounts of precipitation | | | | | | | T | | T | | | |
| Cloudiness and other conditions | Cloudy | | | | | | | | | | | |
| Sunshine (in tenths of hours) | 1.0 | 1.0 | 0.8 | 0.6 | 0 | 0 | 0 | 0 | | | | |
| Wind direction | SW | SW | SW | SW | SW | SW | W | NW | NW | NW | NW | W |
| Wind movement | 21 27 SW 12:15 | 18 | 18 | 16 | 15 | 16 | 12 | 9 | 9 | 7 | 7 | 6 |
| Maximum velocities (exceeding 24 miles) direction and time | | | | | | | | | | | | |

Sunset: Time, 7:02 Character, Cloudy. Moonset:

Wind data corrected to true velocity.

| Total duration. From— | To— | Total amount of precipitation. | Excessive rate. Began— | Ended— | Amount before excessive began. |
|---|---|---|---|---|---|
| | | | | | |

Excessive precipitation, accumulated amounts

Accumulated depths during excessive rate, for consecutive periods of time indicated below.

| 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | |

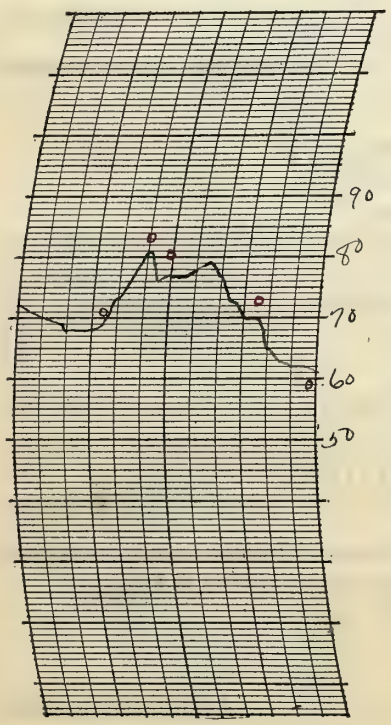
| Maximum Temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 81 | 61 | 71 | |

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., T ins.; to 7 p. m., T ins.
Total precipitation, midnight to midnight, T inches.
Character of day, Cloudy Moon phase,
Average daily cloudiness (0-10), 6.9
Actual sunshine, hours, 6.9 Possible sunshine, hours, 14.8
Per cent of possible sunshine, 47
Prevailing wind direction, SW Total wind, 280
Average hourly velocity, 11.7 Extreme velocity, 28
Maximum velocity, 27 Direction, SW
Time began, 12:15 P.m.
Reduced barometer, 29.81 7 a. m. 29.69 7 p. m.
River gage, +3.2 feet
Relative humidity, 81 7 a. m. 82 7 p. m.

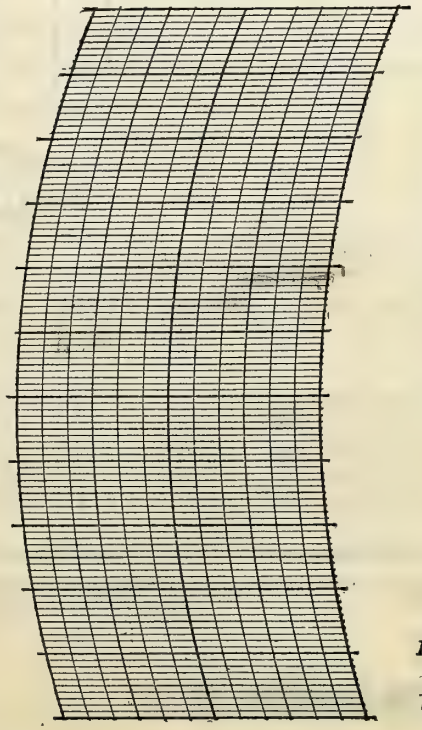
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 77.2 Wet temperature, 68.7
Dew-point, 64 R. humidity, 65 V. pressure, 595
Clouds: Amount, 8; Kind, St Cu; Direction, SW
Velocity of clouds (miles per hour)

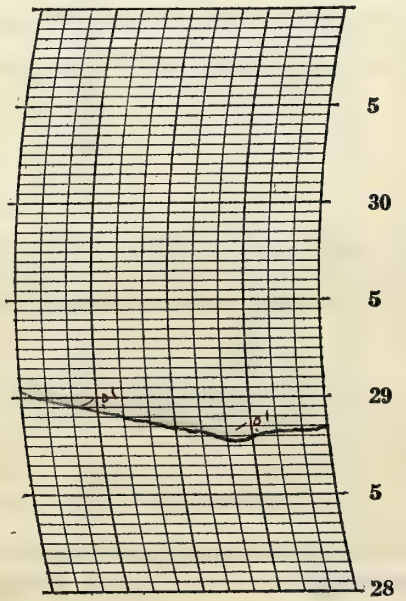
THERMOGRAPH




THERMOGRAPH




BAROGRAPH.




Prepared by L.C.S.

Verified by R.E.L.

8—486

## NOTES

A moderate thunderstorm occurred at the station from 11:00 a to 11:55 a. It seemed to be much heavier in the North & Northwest. Appeared to move around to the North.
Day was good for flying.

Form No. 1014—Met'1

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(Station) Fort Wayne Ind., (Day of week) Saturday, (Date) MAY 27 1933, 193

Time (local standard) 90 mer. normal time.

| | A.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 | P.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Temperature at end of hour | 60 | 59 | 58 | 57 | 57 | 58 | 60 | 64 | 70 | 72 | 74 | 74 | 76 | 62 RB 1:15 | 64 RC 2:25 | 66 | 66 | 67 | 67 | 66 | 66 | 66 | 66 | 64 |
| State of weather. Nature of precipitation and time of beginning and ending | | | | | | | | | | | | | | .12 | .02 | | | | | | | | | |
| Amounts of precipitation | | | | | | ← Cloudy | | | → | Clear | | → | Cloudy | | | | | | | | | | | |
| Cloudiness and other conditions | | | | | | | | | | | | | | | | | | | | | | | | |
| Sunshine (in tenths of hours) | | | | | 0 | 0 | 0 | 0 | 0.6 | 1.0 | 1.0 | 1.0 | 1.0 | 0.1 | 0 | 0 | 0.5 | 0 | 0 | 0 | | | | |
| Wind direction | W | W | W | W | W | SW | SW | SW | SW | SW | SW | SW | SW | SW | SW | SE | S | S | S | S | S | S | S | S |
| Wind movement | 6 | 7 | 5 | 6 | 7 | 7 | 7 | 8 | 7 | 8 | 9 | 9 | 12 | 11 | 5 | 9 | 9 | 7 | 5 | 5 | 4 | 5 | 5 | 4 |
| Maximum velocities (exceeding 24 miles) direction and time | | | | | | | | | | | | | | | | | | | | | | | | |

Sunrise: Time, 4:13 Character, Cloudy. Moonrise: ____ ____

Sunset: Time, 7:03 Character, Cloudy. Moonset: ____ ____

Wind data corrected to true velocity.

| Total duration. From— | To— | Total amount of precipitation. | Excessive rate. Began— | Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | | | | | |

Excessive precipitation, accumulated amounts

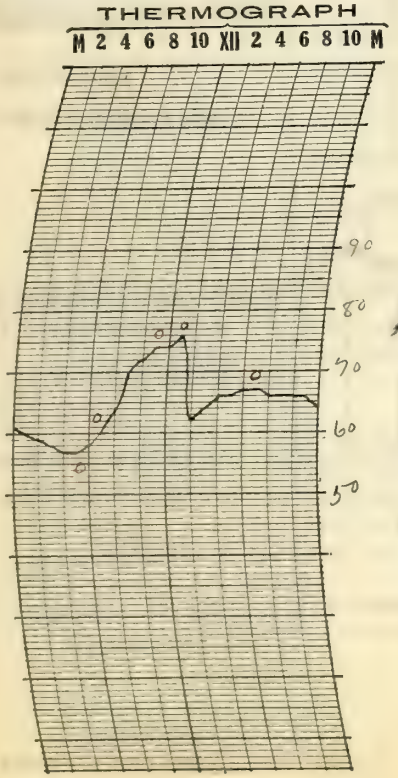
| Maximum Temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 76 | 57 | 66 | |

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., T ins.; to 7 p. m., 0.14 ins.
Total precipitation, midnight to midnight, 0.14 inches.
Character of day, P+ Cloudy Moon phase, ____
Average daily cloudiness (0-10), 7
Actual sunshine, hours, 5.2 Possible sunshine, hours, 14.8
Per cent of possible sunshine, 35
Prevailing wind direction, SW Total wind, 167
Average hourly velocity, 7.0 Extreme velocity, 24
Maximum velocity, 21 Direction, SW
Time began, 1:18 P. m. ____
Reduced barometer, 29.78 7 a. m. 29.72 7 p. m.
River gage, +2.9 feet
Relative humidity, 86 7 a. m. 83 7 p. m.

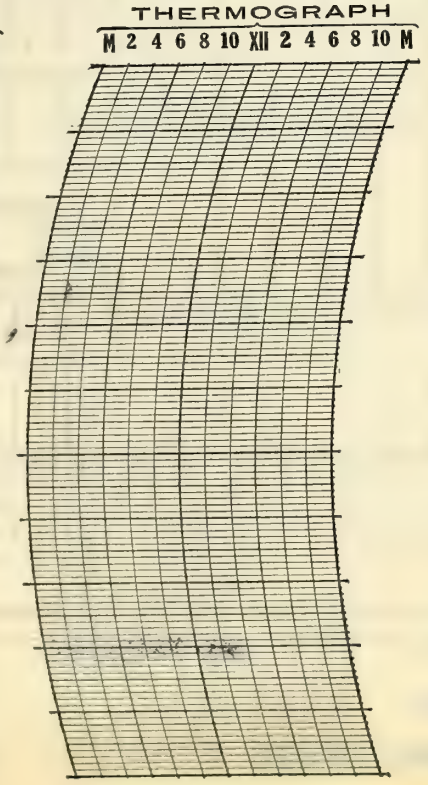
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 73.5 Wet temperature, 63.0
Dew-point, 56 R. humidity, 56 V. pressure, .448
Clouds: Amount, 3; Kind, a Cu; Direction, W
Velocity of clouds (miles per hour)

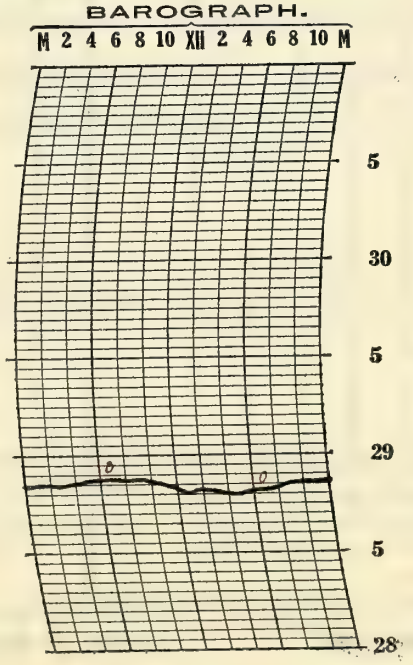
THERMOGRAPH




THERMOGRAPH




BAROGRAPH.




Prepared by L. C. S.

Verified by R. C. L.

8—486

## NOTES

Flying Conditions Were good except during time I rain when they Were fair

Form No. 1014—Met'1

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Sunday, (Date) MAY 28 1933, 193

Time (local standard) 90 mer. normal time.

| | A.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 | P.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Temperature at end of hour | 64 | 62 | 61 | 60 59 | 60 | 61 | 64 | 69 | 70 | 72 | 73 | 74 | 77 | 77 | 75 | 75 | 76 | 75 | 74 | 72 | 71 | 70 | 68 | 68 |
| State of weather. Nature of precipitation and time of beginning and ending | | | | | | | | | | | | | | | | | | | | | | | | |
| Amounts of precipitation | | | | | | | | | | | | | | | | | | | | | | | | |
| Cloudiness and other conditions | | | | | P+ Cloudy | × | Clear | × | | | | P+ Cloudy | | | | × | Cloudy | | | | | | | |
| Sunshine (in tenths of hours) | | | | | 0 | 0.1 | 0.9 | 1.0 | 1.0 | 1.0 | 1.0 | 0.8 | 1.0 | 1.0 | 0.7 | 0.6 | 0.5 | 0.2 | 0 | 0 | | | | |
| Wind direction | S | S | S | S | S | S | S | S | S | SW | W | SW | W | SW | SW | S | SW | SW | SE | SE | SE | SE | SE | S |
| Wind movement | 4 | 4 | 3 | 4 | 4 | 5 | 4 | 5 | 5 | 6 | 7 | 6 | 5 | 7 | 8 | 6 | 6 | 6 | 8 | 7 | 9 | 8 | 7 | 8 |
| Maximum velocities (exceeding 24 miles) direction and time | | | | | | | | | | | | | | | | | | | | | | | | |

Sunrise: Time, 4:13 Character, Cloudy. Moonrise:

Sunset: Time, 7:03 Character, Cloudy. Moonset:

Wind data corrected to true velocity.

| Total duration. From— | To— | Total amount of precipitation. | Excessive rate. Began— | Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | | | | | |

Excessive precipitation, accumulated amounts

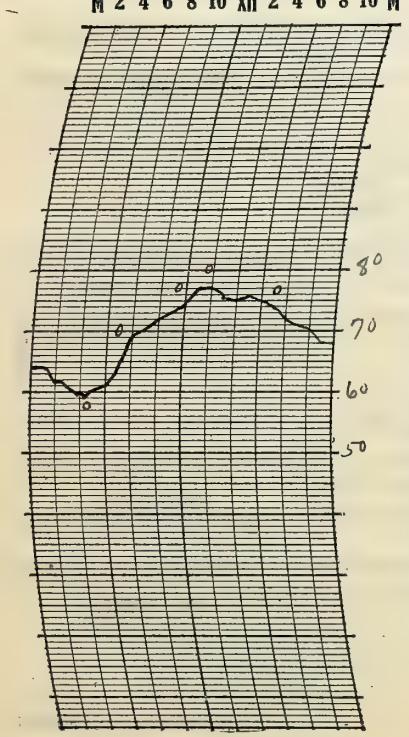
| Maximum Temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 77 | 59 | 68 | |

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, P+ Cloudy Moon phase,
Average daily cloudiness (0-10), 6
Actual sunshine, hours, 9.8 Possible sunshine, hours, 14.8
Per cent of possible sunshine, 66
Prevailing wind direction, S Total wind, 142
Average hourly velocity, 5.9 Extreme velocity, 10
Maximum velocity, 10 Direction, W
Time began, 9:47 a. m.
Reduced barometer, 29.82 7 a. m. 29.79 7 p. m.
River gage, +2.8 Feet
Relative humidity, 74 7 a. m. 56 7 p. m.

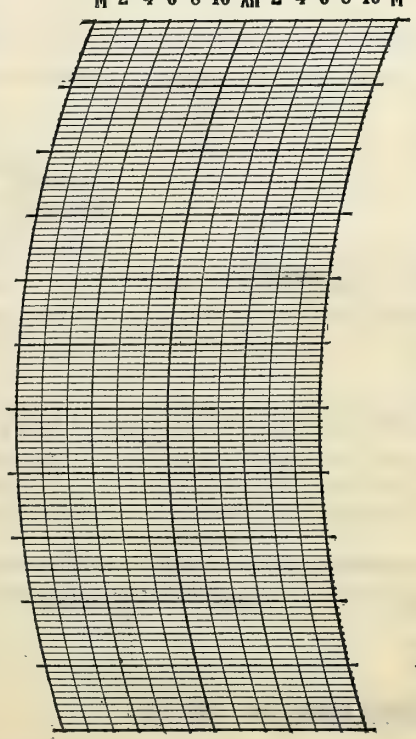
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 73.5 Wet temperature, 61.2
Dew-point, 53 R. humidity, 49 V. pressure, 402
Clouds: Amount, 7; Kind, Cu; Direction, W
Velocity of clouds (miles per hour)

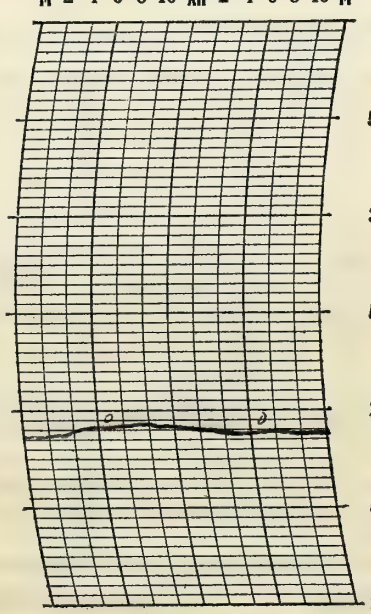
THERMOGRAPH




THERMOGRAPH




BAROGRAPH.




Prepared by L.C.S.

Verified by R.C.L.

8—486

## NOTES

7 lying conditions excellent entire day

Form No. 1014—Met'1

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Monday, (Date) MAY 29 1933, 193

Time (local standard) 90 mer. normal time.

| | A.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 | P.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Temperature at end of hour | 67 | 66 | 65 | 64 | 64 | 65 | 66 | 63 | 62 | 66 | 68 | 69 | 71 | 72 | 73 | 70 | 66 | 66 | 66 | 65 | 64 | 63 | 63 | 62 |
| State of weather: Nature of precipitation and time of beginning and ending | | | | | | RB 5:55 | RE 6:10 | | | | | | | | | | RB 4:05 RE 4:55 | | RB 6:20 RE 6:35 | | | | | |
| State of weather: Amounts of precipitation | | | | | | T | T | | | | | | | | | | T | | .01 | | | | | |
| State of weather: Cloudiness and other conditions | | | | | | ← Pt Cloudy | | × | Clear | | | | | | × Cloudy | | | | × Pt Cloudy | | × Clear → | | | |
| Sunshine (in tenths of hours) | | | | | 0 | 0 | 0.1 | 1.0 | 0.8 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 0.5 | 0.1 | 0 | 0 | 0 | | | | |
| Wind direction | S | S | S | S | S | SW | SW | W | W | W | W | W | SW | SW | SW | SW | SW | NW | NW | SW | S | S | S | S |
| Wind movement | 8 | 7 | 9 | 8 | 9 | 10 | 14 | 18 | 15 | 15 | 15 | 15 | 15 | 16 | 16 | 16 | 12 | 6 | 8 | 10 | 12 | 12 | 12 | 12 |

Sunrise: Time, 4:12 Character, Cloudy. Moonrise:

Sunset: Time, 7:04 Character, Cloudy. Moonset:

Maximum velocities (exceeding 24 miles) direction and time

Wind data corrected to true velocity.

| Total duration. From— | To— | Total amount of precipitation. | Excessive rate. Began— | Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | | | | | |

Excessive precipitation, accumulated amounts

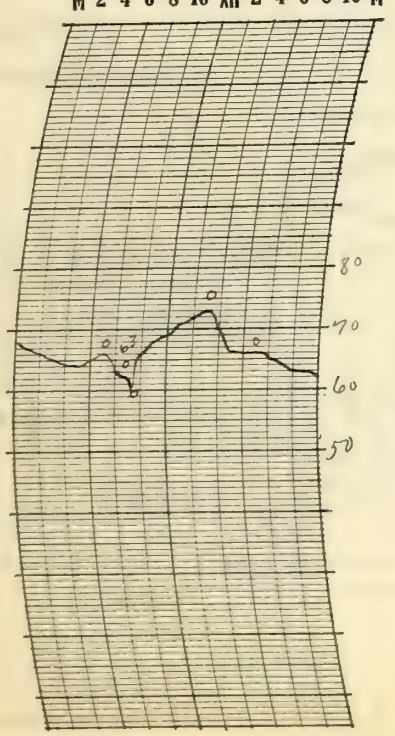
| Maximum Temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 73 | 60 | 66 | |

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., T ins.; to 7 p. m., .01 ins.
Total precipitation, midnight to midnight, .01 inches.
Character of day, Pt Cloudy Moon phase,
Average daily cloudiness (0-10), 5
Actual sunshine, hours, 8.5 Possible sunshine, hours, 14.9
Per cent of possible sunshine, 57
Prevailing wind direction, S Total wind, 290
Average hourly velocity, 12.1 Extreme velocity, 25
Maximum velocity, 24 Direction, W
Time began, 6:57A
Reduced barometer, 29.80 7 a. m. 29.83 7 p. m.
River gage, +2.7 Feet
Relative humidity, 83 7 a. m. 55 7 p. m.

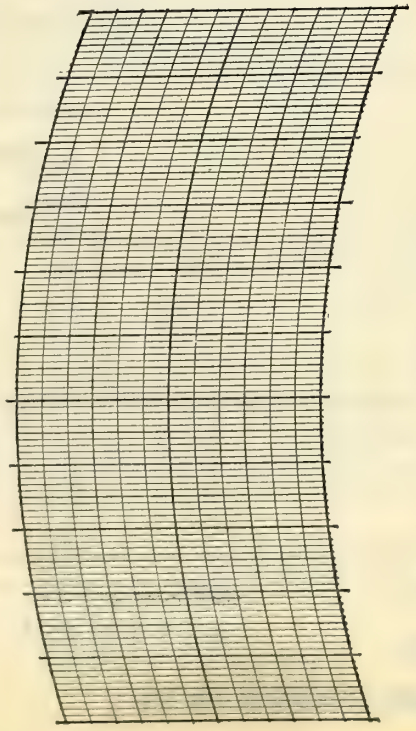
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 69.2 Wet temperature, 57.7
Dew-point, 49 R. humidity, 49 V. pressure, .347
Clouds: Amount, 3; Kind, Cu; Direction, W
Velocity of clouds (miles per hour)

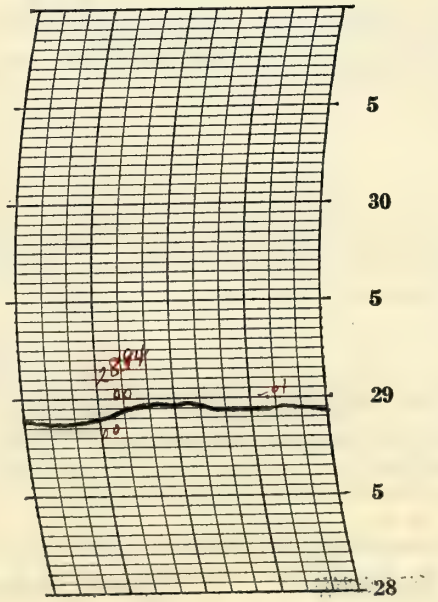
THERMOGRAPH




THERMOGRAPH




BAROGRAPH.




Prepared by L C S

Verified by C. G. L.

8—486

## NOTES

Day was excellent for flying

Form No. 1014—Met'l

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD. Memorial Day

(Station) Fort Wayne, Ind., (Day of week) Tuesday, (Date) MAY 30 1933, 193

| Time (local standard) 90 mer. normal time. | A.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 | P.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Temperature at end of hour | 61 | 60 | 60 | 59 | 58 | 60 | 62 | 62 | 63 | 62 | 62 | 62 | 62 | 62 | 60 | 62 | 63 | 64 | 62 | 60 | 58 | 56 | 54 | 53 |
| State of weather. Nature of precipitation and time of beginning and ending | | | | | | | | | | | RB 10:05 RE 10:15 | | | | | | | | | | | | | |
| Amounts of precipitation | | | | | | | | | | | T | | | | | | | | | | | | | |
| Cloudiness and other conditions | | | | | | + Clear | | x | | | Cloudy | | | | | x P+Cldy | | x Clear | | 7 | | | | |
| Sunshine (in tenths of hours) | | | | | 0 | 0 | 1.0 | 0.2 | 0.2 | 0 | 0.2 | 0.2 | 0.1 | 0 | 0 | 0.2 | 0.3 | 0.2 0.4 | 1.0 0 | .08 0 | | | | |
| Wind direction | S | S | SW | SW | SW | SW | SW | W | W | W | W | W | W | NW | NW | NW | NW | NW | NW | NW | NW | NW | NW | NW |
| Wind movement | 12 | 12 | 13 | 13 | 12 | 14 | 12 | 15 | 16 | 14 | 14 | 15 | 14 | 12 | 12 | 12 | 12 | 12 | 9 | 5 | 4 | 3 | 4 | 3 |
| Maximum velocities (exceeding 24 miles) direction and time | | | | | | | | | | | | | | | | | | | | | | | | |

Sunrise: Time, 4:12 Character, Cloudy. Moonrise:

Sunset: Time, 7:05 Character, Clear. Moonset:

Wind data corrected to true velocity.

| Total duration. From— | To— | Total amount of precipitation. | Excessive rate. Began— | Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | | | | | |

Excessive precipitation, accumulated amounts

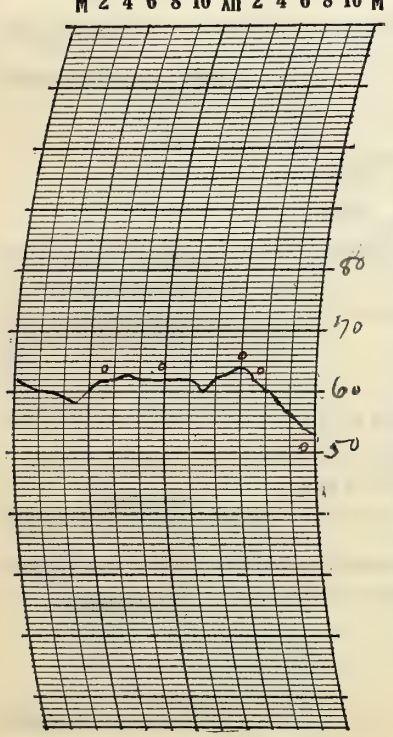
| Maximum Temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 64 | 53 | 58 | |

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., T ins.
Total precipitation, midnight to midnight, T inches.
Character of day, P+ Cloudy Moon phase,
Average daily cloudiness (0-10), 7
Actual sunshine, hours, 4.1 Possible sunshine, hours, 14.9
Per cent of possible sunshine, 28
Prevailing wind direction, NW Total wind, 264
Average hourly velocity, 11.0 Extreme velocity, 21
Maximum velocity, 19 Direction, W
Time began, 11:11 a. m.
Reduced barometer, 29.82 7 a. m. 29.96 7 p. m.
River gage, +2.3 feet
Relative humidity, 64 7 a. m. 62 7 p. m.

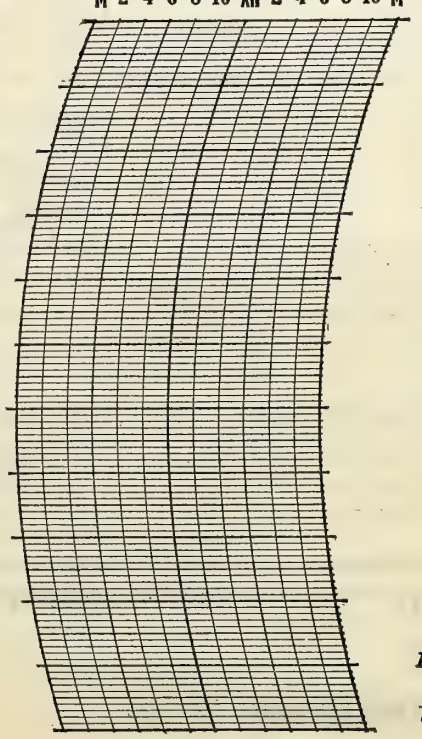
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 62.4 Wet temperature, 55.3
Dew-point, 50 R. humidity, 64 V. pressure, 360
Clouds: Amount, 10; Kind, Strat; Direction, W
Velocity of clouds (miles per hour)

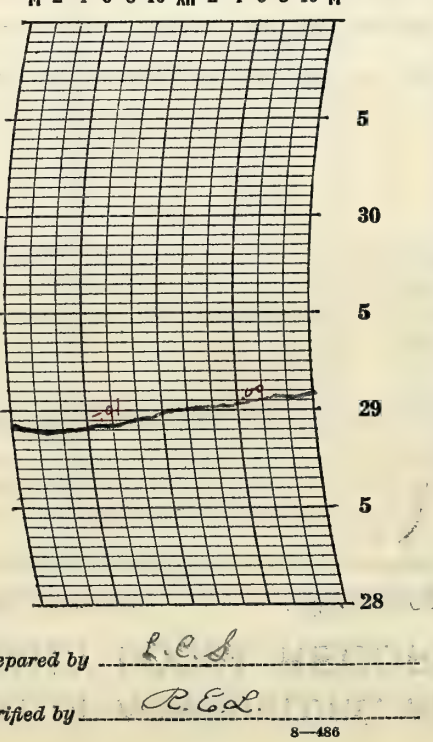
THERMOGRAPH




THERMOGRAPH




BAROGRAPH.




Prepared by L.C.S.

Verified by R.E.L.

8—486

## NOTES

Day was very suitable for flying
Ceilings around 2 to 3 thousand feet
and visibility around 10 miles.
a cool, blustery day for Memorial
exercises. Wind was quite fresh
most of the day.

Form No. 1014—Met'1

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Wednesday, (Date) MAY 31 1933, 193

Time (local standard) 90 mer. normal time.

| | A.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 | P.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Temperature at end of hour | 53 | 52 | 52 | 50 | 51 | 54 | 59 | 62 | 64 | 66 | 68 | 69 | 70 | 70 | 72 | 71 | 70 | 69 | 68 | 65 | 64 | 62 | 60 | 58 |
| State of weather. Nature of precipitation and time of beginning and ending | | | | | | | | | | | | | | | | | | | | | | | | |
| Amounts of precipitation | | | | | | | | | | | | | | | | | | | | | | | | |
| Cloudiness and other conditions | | | | | | | | | | | | Clear | | | | | | | | | 7 | | | |
| Sunshine (in tenths of hours) | | | | | .82 0 | 0.8 0.2 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | .4 0.6 | 1.0 0 | .1 0 | | | | |
| Wind direction | 0 | NW | NW | NW | NW | NW | NW | NW | N | N | N | N | NE | N | NE | NE | NE | NE | NE | NE | NE | NE | NE | NE |
| Wind movement | 1 | 4 | 3 | 4 | 3 | 4 | 8 | 8 | 9 | 9 | 10 | 9 | 10 | 9 | 7 | 9 | 8 | 8 | 6 | 5 | 4 | 5 | 4 | 5 |
| Maximum velocities (exceeding 24 miles) direction and time | | | | | | | | | | | | | | | | | | | | | | | | |

Sunrise: Time, 4:11 Character, Clear. Moonrise:

Sunset: Time, 7:06 Character, Clear. Moonset:

Wind data corrected to true velocity.

| Total duration. From— | To— | Total amount of precipitation. | Excessive rate. Began— | Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | | | | | |

Excessive precipitation, accumulated amounts

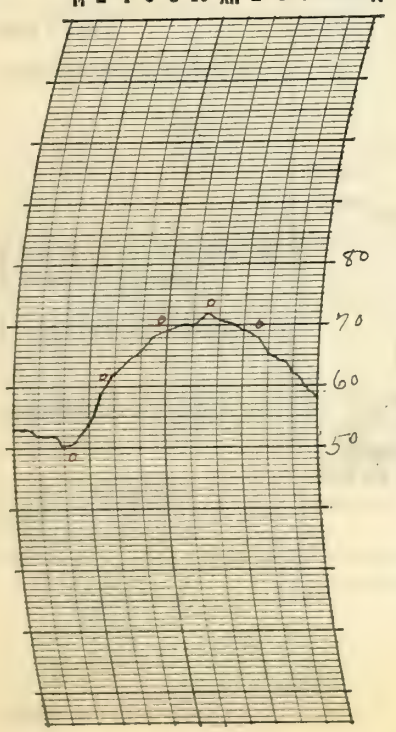
| Maximum Temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 72 | 50 | 61 | |

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Clear Moon phase,
Average daily cloudiness (0-10), 1
Actual sunshine, hours, 14.9 Possible sunshine, hours, 14.9
Per cent of possible sunshine, 100
Prevailing wind direction, NE Total wind, 152
Average hourly velocity, 6.3 Extreme velocity, 13
Maximum velocity, 13 Direction, NW
Time began, 10:05 a. m.
Reduced barometer, 30.07 7 a. m. 30.09 7 p. m.
River gage, +2.4 feet
Relative humidity, 71 7 a. m. 45 7 p. m.

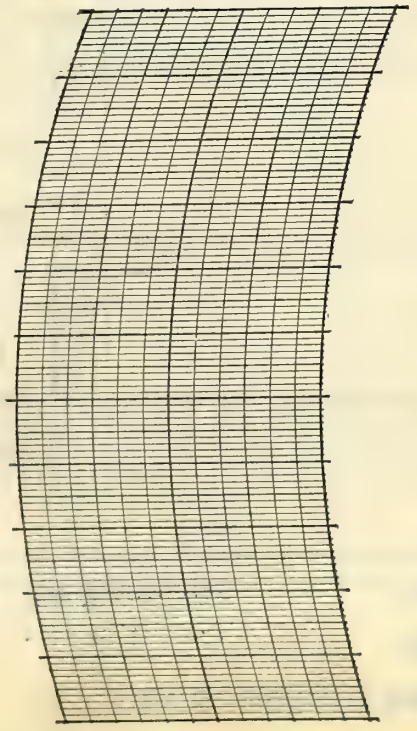
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 69.0 Wet temperature, 54.5
Dew-point, 42 R. humidity, 38 V. pressure, .266
Clouds: Amount, 2 cl; Kind, a cu; Direction, ?
Velocity of clouds (miles per hour)

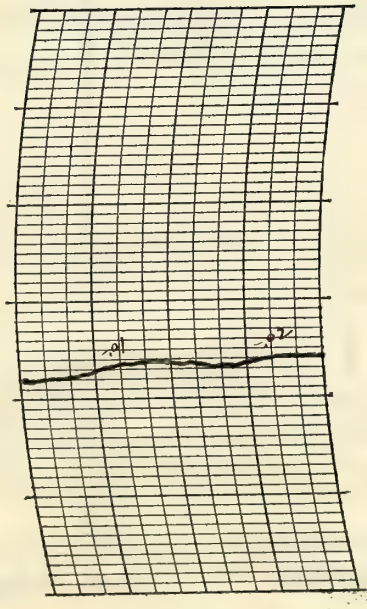
THERMOGRAPH




THERMOGRAPH




BAROGRAPH.




Prepared by I. e. S.

Verified by R.E.L.

8—486

## NOTES

Fine lying Conditions excellent all day

Form No. 1014—Met'1

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(Station) Fort Wayne Ind., (Day of week) Thursday, (Date) JUN 1 1933, 193

Time (local standard) 90 mer. normal time.

| | A.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 | P.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Temperature at end of hour | 57 | 56 | 54 | 52 | 52 | 56 | 61 | 63 | 66 | 68 | 70 | 72 | 74 | 75 | 76 | 77 | 78 | 77 | 76 | 73 | 70 | 68 | 67 | 63 |
| State of weather. Nature of precipitation and time of beginning and ending | | | | | | | | | | | | | | | | | | | | | | | | |
| Amounts of precipitation | | | | | | | | | | | | | | | | | | | | | | | | |
| Cloudiness and other conditions | | | | | | ← | | | | | | Clear | | | | | | | | | → | | | |
| Sunshine (in tenths of hours) | | | | | .82 0 | 0.6 0.4 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 0 | .12 0 | | | | |
| Wind direction | NE | NE | 0 | NE | NE | NE | NE | S | SW | W | NW | NW | NW | NW | NW | NW | NW | NW | NW | NW | NW | NW | N | N |
| Wind movement | 2 | 2 | 1 | 2 | 2 | 2 | 4 | 6 | 7 | 7 | 7 | 6 | 7 | 8 | 8 | 7 | 8 | 8 | 5 | 3 | 3 | 4 | 4 | 2 |
| Maximum velocities (exceeding 24 miles) direction and time | | | | | | | | | | | | | | | | | | | | | | | | |

Sunrise: Time, 4:11 Character, Clear
Moonrise:
Sunset: Time, 7:07 Character, Clear
Moonset:

Wind data corrected to true velocity.

| Total duration. From— | To— | Total amount of precipitation. | Excessive rate. Began— | Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | | | | | |

Excessive precipitation, accumulated amounts

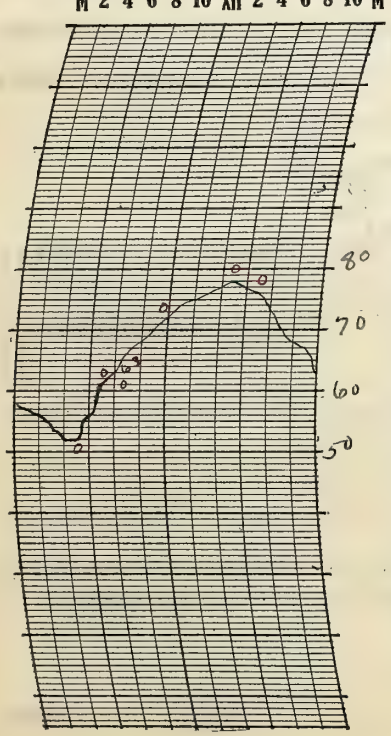
| Maximum Temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 78 | 52 | 65 | |

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Clear Moon phase,
Average daily cloudiness (0-10), 7 cu
Actual sunshine, hours, 14.9 Possible sunshine, hours, 14.9
Per cent of possible sunshine, 100
Prevailing wind direction, NW Total wind, 115
Average hourly velocity, 4.8 Extreme velocity, 11
Maximum velocity, 11 Direction, NW
Time began, 2:18 P m.
Reduced barometer, 30.18 7 a. m. 30.04 7 p. m.
River gage, 2.1 feet
Relative humidity, 61 7 a. m. 44 7 p. m.

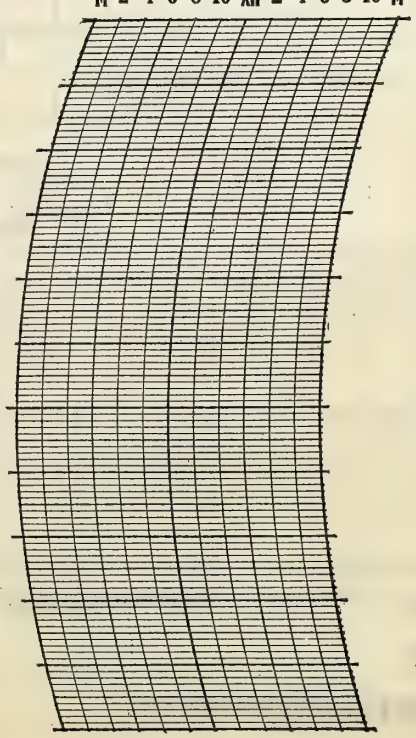
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 72.0 Wet temperature, 58.3
Dew-point, 49 R. humidity, 43 V. pressure, 347
Clouds: Amount, 7 cu; Kind, Cu; Direction, NW
Velocity of clouds (miles per hour)

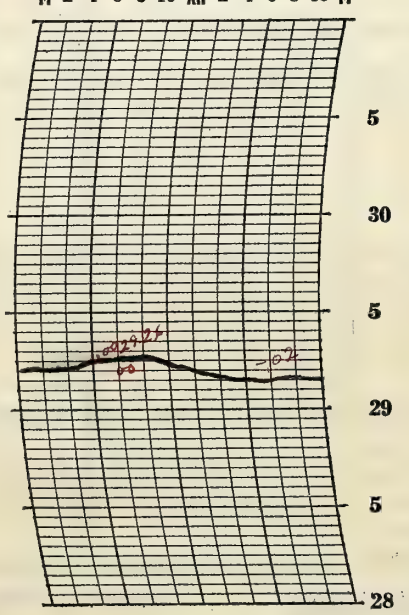
THERMOGRAPH




THERMOGRAPH




BAROGRAPH.




Prepared by L. C. S.
Verified by R. C. L.

8—486

## NOTES

Flying Conditions Were excellent entire Day.

Form No. 1014—Met'1

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Friday, (Date) JUN 2 1933, 193

Time (local standard) 90 mer. normal time.

| | A.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 | P.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Temperature at end of hour | 61 | 60 | 59 | 58 | 58 | 60 | 67 | 71 | 74 | 77 | 79 | 81 | 82 | 83 | 84 | 84 | 84 | 83 | 81 | 76 | 74 | 72 | 70 | 69 |
| State of weather. Nature of precipitation and time of beginning and ending | | | | | | | | | | | | | | | | | | | | | | | | |
| Amounts of precipitation | | | | | | ← Clear | | | | | | | | | | | | | | | → | | | |
| Cloudiness and other conditions | | | | | | | | | | | | | | | | | | | | | | | | |
| Sunshine (in tenths of hours) | | | | | .83 0 | 0.7 0.2 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 0 | .12 0 | | | | |
| Wind direction | N | N | N | NW | NW | W | W | W | NW | NW | W | W | W | W | W | W | W | W | W | W | SW | SW | SW | SW |
| Wind movement | 4 | 2 | 4 | 3 | 5 | 6 | 7 | 9 | 9 | 9 | 8 | 9 | 10 | 12 | 9 | 11 | 10 | 9 | 8 | 7 | 8 | 9 | 9 | 9 |
| Maximum velocities (exceeding 24 miles) direction and time | | | | | | | | | | | | | | | | | | | | | | | | |

Sunrise: Time, 4:10 Character, Clear
Moonrise:

Sunset: Time, 7:07 Character, Clear
Moonset:

Wind data corrected to true velocity.

| Total duration. From— | To— | Total amount of precipitation. | Excessive rate. Began— | Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | | | | | |

Excessive precipitation, accumulated amounts

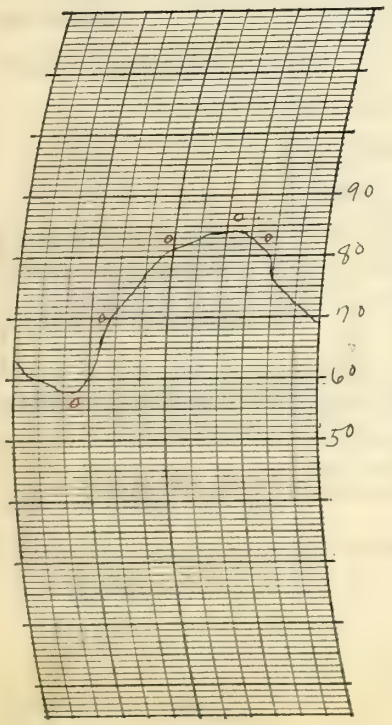
| Maximum Temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 84 | 58 | 71 | |

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Clear Moon phase,
Average daily cloudiness (0-10), 7 ew
Actual sunshine, hours, 14.8 Possible sunshine, hours, 15.0
Per cent of possible sunshine, 99
Prevailing wind direction, W Total wind, 186
Average hourly velocity, 7.8 Extreme velocity, 14
Maximum velocity, 13 Direction, W
Time began, 1:08 p.m.
Reduced barometer, 30.09 7 a. m. 29.96 7 p. m.
River gage, 1.9 feet
Relative humidity, 63 7 a. m. 45 7 p. m.

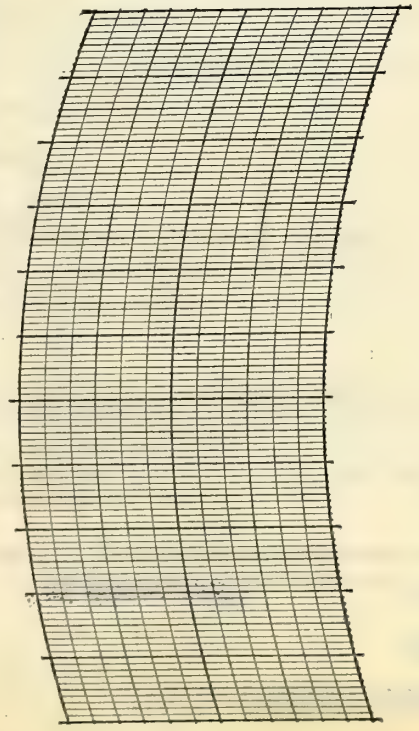
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 81.0 Wet temperature, 65.2
Dew-point, 56 R. humidity, 43 V. pressure, 448
Clouds: Amount, 0; Kind, 0; Direction, 0
Velocity of clouds (miles per hour)

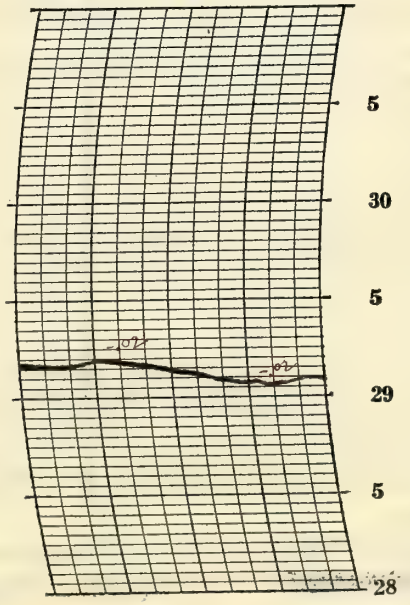
THERMOGRAPH




THERMOGRAPH




BAROGRAPH.




Prepared by L.C.S.
Verified by

8—486

## NOTES

Flying conditions excellent all day.

Form No. 1014—Met'1

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Saturday, (Date) JUN 3 1933, 193

Time (local standard) 90 mer. normal time.

| | A.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 | P.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Temperature at end of hour | 68 | 67 | 65 | 64 | 62 | 64 | 68 | 72 | 76 | 79 | 80 | 83 | 81 | 83 | 84 | 83 | 82 | 81 | 80 | 77 | 74 | 73 | 72 | 71 |
| State of weather. Nature of precipitation and time of beginning and ending | | | | | | | | | | | | | | | | | | | | | | | | |
| Amounts of precipitation | | | | | | | | | | | | | | | | | | | | | | | | |
| Cloudiness and other conditions | | | | | | | | | | | | Pt Cloudy | | | | | | | | | | | | |
| Sunshine (in tenths of hours) | | | | | .83 0 | 0.6 0.4 | 0.2 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 0.7 | 0.8 0.1 | 1.0 0 | .13 0 | | | | |
| Wind direction | W | W | W | W | W | SW | W | W | W | W | W | W | NW | W | NW | NW | NW | NW | NW | NW | NW | NW | NW | NW |
| Wind movement | 9 | 9 | 9 | 7 | 7 | 8 | 10 | 11 | 12 | 14 | 17 | 17 | 16 | 18 | 15 | 15 | 13 | 8 | 4 | 2 | 4 | 3 | 3 | 2 |
| Maximum velocities (exceeding 24 miles) direction and time | | | | | | | | | | | | | | | | | | | | | | | | |

Sunrise: Time, 4:10 Character, Clear

Moonrise: ---------- ----------

Sunset: Time, 7:08 Character, Clear

Moonset: ---------- ----------

Wind data corrected to true velocity.

| Total duration. From— | To— | Total amount of precipitation. | Excessive rate. Began— | Ended— | Amount before excessive began. |
|---|---|---|---|---|---|
| | | | | | |

Accumulated depths during excessive rate, for consecutive periods of time indicated below.

| 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | |

Excessive precipitation, accumulated amounts ----------

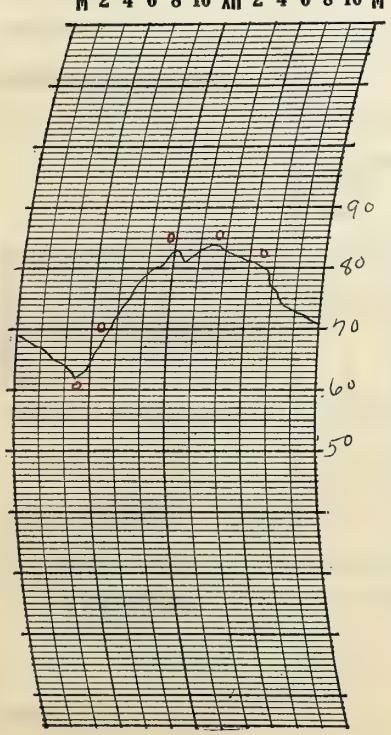
| Maximum Temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 84 | 62 | 73 | |

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Pt Cloudy Moon phase, ----------
Average daily cloudiness (0-10), 6
Actual sunshine, hours, 13.8 Possible sunshine, hours, 15.0
Per cent of possible sunshine, 92
Prevailing wind direction, W Total wind, 233
Average hourly velocity, 9.7 Extreme velocity, 23
Maximum velocity, 21 Direction, W
Time began, 10:00 a m
Reduced barometer, 29.99 7 a. m. 29.92 7 p. m.
River gage, 1.6 feet
Relative humidity, 73 7 a. m. 54 7 p. m.

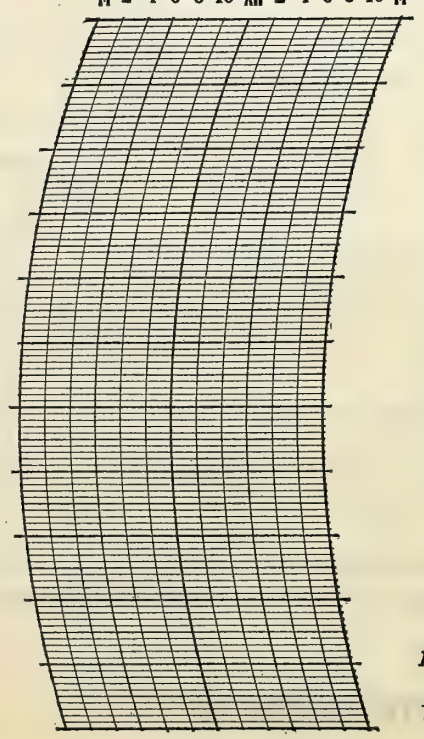
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 82.6 Wet temperature, 68.1
Dew-point, 61 R. humidity, 48 V. pressure, .536
Clouds: Amount, 2/3; Kind, a cu a st; Direction, w w
Velocity of clouds (miles per hour) ----------

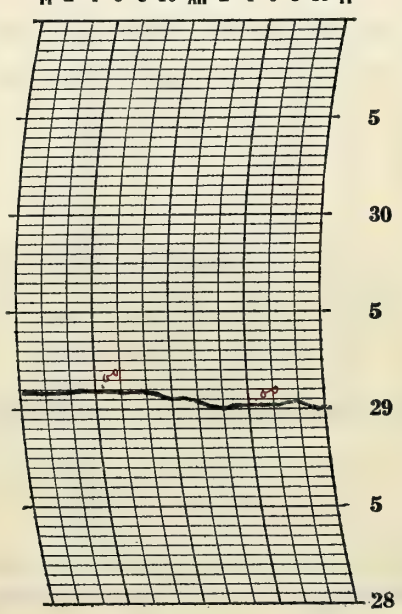
THERMOGRAPH




THERMOGRAPH




BAROGRAPH.




Prepared by L.C.S.

Verified by R.E.L.

8—486

## NOTES

Fine lying conditions excellent all day.

Form No. 1014—Met'1

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Sunday, (Date) JUN 4 1933, 193

Time (local standard) 90 mer. normal time.

| | A.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 | P.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Temperature at end of hour | 69 | 67 | 66 | 66 | 64 | 66 | 69 | 76 | 78 | 79 | 80 | 82 | 84 | 85 | 86 | 86 | 86 | 83 | 81 | 78 | 76 | 74 | 73 | 72 |
| State of weather. Nature of precipitation and time of beginning and ending | | | | | | | | | | | | | | | | | | | | | | | | |
| Amounts of precipitation | | | | | ← P+ | | | | | | | | | | | | | | | | | | | → |
| Cloudiness and other conditions | | | | | Cloudy | | ✕ Cloudy | | | | | ✕ P+Cloudy | ✕ Cloudy | | | | ✕ P+ Cloudy | | | | | | | |
| Sunshine (in tenths of hours) | | | | | 8.3 0 | 1.0 0 | 0.4 0.6 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 0.9 | 1.0 | 1.0 | 0.4 0.6 | 0.6 0 | 0 | | | | |
| Wind direction | NW | NW | NW | NW | NW | SW | W | W | W | SW | SW | SW | SW | SW | W | SW | SW | SW | SW | SW | SW | SW | SW | SW |
| Wind movement | 3 | 5 | 7 | 5 | 7 | 9 | 7 | 9 | 10 | 10 | 13 | 12 | 14 | 16 | 14 | 12 | 13 | 12 | 10 | 9 | 10 | 9 | 9 | 8 |
| Maximum velocities (exceeding 24 miles) direction and time | | | | | | | | | | | | | | | | | | | | | | | | |

Sunrise: Time, 4:10 Character, Clear. Moonrise: ____

Sunset: Time, 7:09 Character, Cloudy. Moonset: ____

Wind data corrected to true velocity.

| Total duration. From— | To— | Total amount of precipitation. | Excessive rate. Began— | Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | | | | | |

Excessive precipitation, accumulated amounts

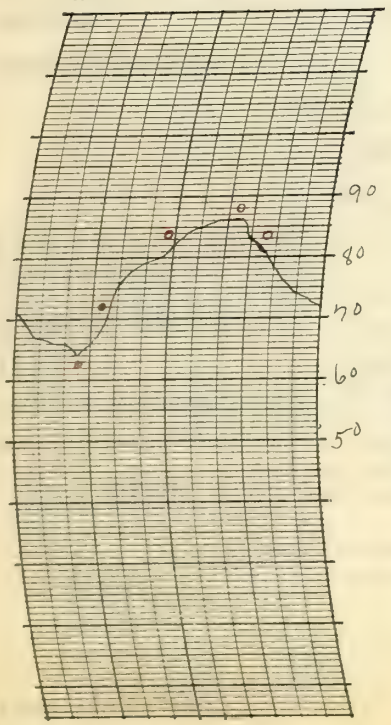
| Maximum Temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 86 | 64 | 75 | |

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Cloudy Moon phase, ____
Average daily cloudiness (0-10), 8
Actual sunshine, hours, 14.3 Possible sunshine, hours, 15.0
Per cent of possible sunshine, 95
Prevailing wind direction, SW Total wind, 233
Average hourly velocity, 9.7 Extreme velocity, 21
Maximum velocity, 19 Direction, SW
Time began, 12:16 P.M
Reduced barometer, 29.94 7 a. m. 29.82 7 p. m.
River gage, 1.4 feet
Relative humidity, 77 7 a. m. 48 7 p. m.

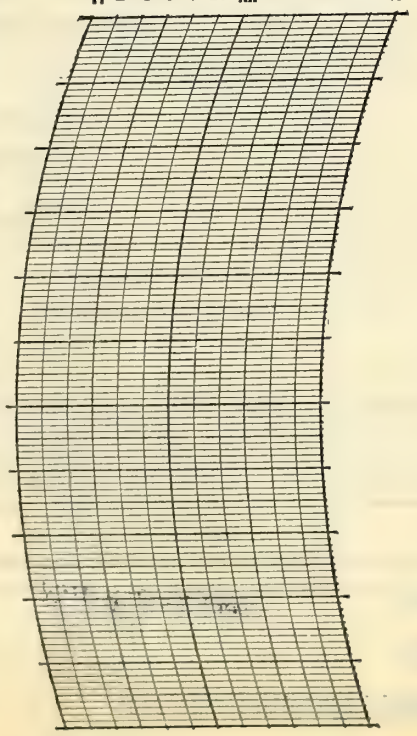
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 82.0 Wet temperature, 68.0
Dew-point, 61 R. humidity, 49 V. pressure, 536
Clouds: Amount, 7 ei; Kind, Cu; Direction, W
Velocity of clouds (miles per hour) ____

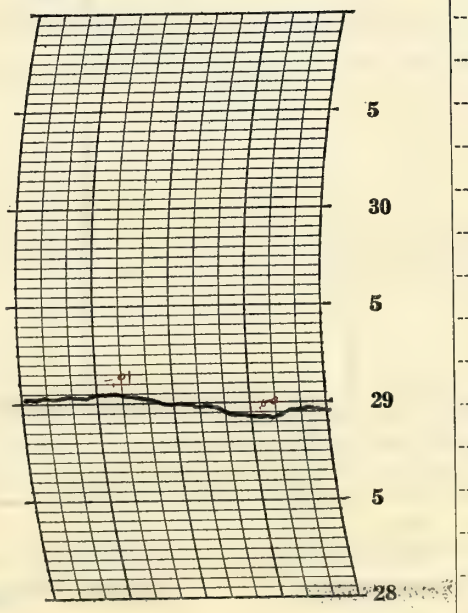
THERMOGRAPH




THERMOGRAPH




BAROGRAPH.




Prepared by L. C. S.

Verified by R C L

8—486

## NOTES

Flying conditions excellent all day

Form No. 1014—Met'1

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Monday, (Date) JUN 5 1933, 193

| Time (local standard) 90 mer. normal time. | A.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 | P.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Temperature at end of hour | 71 | 70 | 69 | 68 | 69 | 72 | 74 | 76 | 78 | 80 | 84 | 85 | 87 | 89 | 88 | 87 | 87 | 86 | 85 | 82 | 82 | 80 | 77 | 77 |
| State of weather. Nature of precipitation and time of beginning and ending | | RB DNA; RE DNA | | | | | | | | | | | | | | | | | | | | | | |
| Amounts of precipitation | | T | | | | | | | | | | | | | | | | | | | | | | |
| Cloudiness and other conditions | | | | | | ← Cloudy | | | | | × Clear | | | | × Pt Cloudy | | | | | → | | | | |
| Sunrise: Time, 4:09 Character, Cloudy. Moonrise: | | | | | | | | | | | | | | | | | | | | | Sunset: Time, 7:09 Character, Cloudy after 6:30 PM. Moonset: | | | |
| Sunshine (in tenths of hours) | | | | | 0 | 0.2 | 0.5 | 0.6 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 0.5 0 | 0 | | | | |
| Wind direction | SW | W | SW | SW | SW | SW | W | SW | NE | N | NW | N | NE | SE | S | S | S | SW | SW | SW | SW | SW | S | S |
| Wind movement | 7 | 8 | 11 | 12 | 12 | 9 | 6 | 9 | 7 | 6 | 6 | 5 | 5 | 7 | 6 | 6 | 8 | 6 | 4 | 4 | 2 | 3 | 9 | 7 |
| Maximum velocities (exceeding 24 miles) direction and time | | | | | | | | | | | | | | | | | | | | | | | | |

| Wind data corrected to true velocity. | Total duration. From— | To— | Total amount of precipitation. | Excessive rate. Began— | Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Excessive precipitation, accumulated amounts | | | | | | | | | | | | | | | | | | | | |

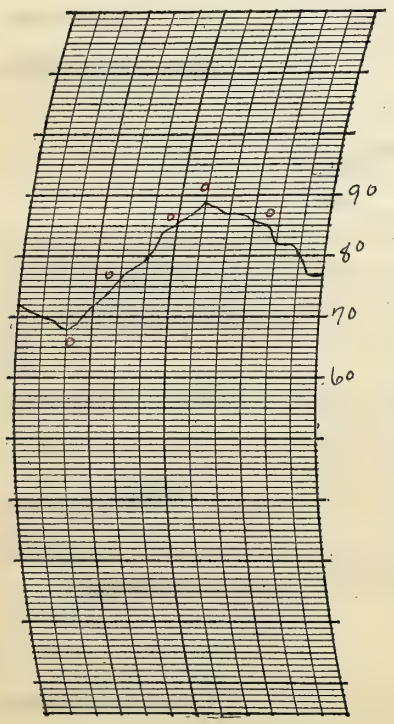
| Maximum Temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 89 | 68 | 78 | |

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., T ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, T inches.
Character of day, Pt Cloudy Moon phase,
Average daily cloudiness (0-10), 6
Actual sunshine, hours, 11.8 Possible sunshine, hours, 15.0
Per cent of possible sunshine, 79
Prevailing wind direction, SW Total wind, 165
Average hourly velocity, 6.9 Extreme velocity, 17
Maximum velocity, 16 Direction, SW
Time began, 4:00 a.m
Reduced barometer, 29.84 7 a. m. 29.79 7 p. m.
River gage, 1.4 ~~feet~~
Relative humidity, 69 7 a. m. 46 7 p. m.

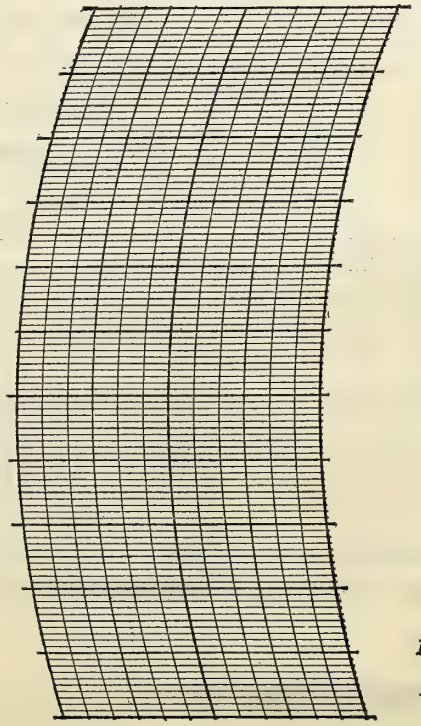
### OBSERVATIONS AT 12 NOON. (Local Mean Time.)

Dry temperature, 85.3 Wet temperature, 68.5
Dew-point, 62 R. humidity, 45 V. pressure, 555
Clouds: Amount, 1; Kind, Cirst; Direction, W
Velocity of clouds (miles per hour)

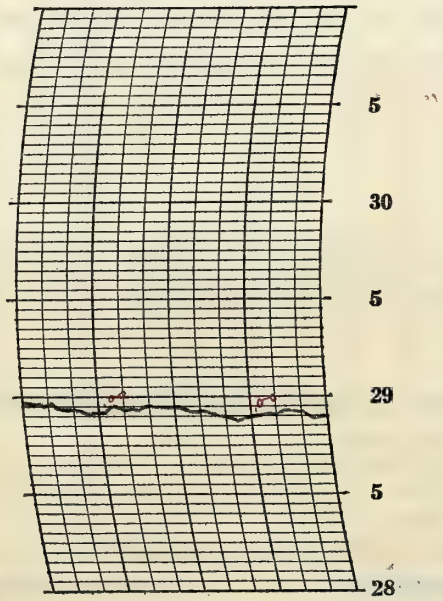
THERMOGRAPH




THERMOGRAPH




BAROGRAPH.




Prepared by R.C.S.

Verified by R.C.L

8—486

## NOTES

Flying Conditions Were excellent all day

a faint Solar Halo Was observed from 2:00 to 3:00 P.M

Form No. 1014—Met'l

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Tuesday, (Date) JUN 6 1933, 193

Time (local standard) 90 mer. normal time.

| | A.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 | P.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Temperature at end of hour | 75 | 75 | 65 | 65 | 64 | 68 | 70 | 77 | 81 | 84 | 87 | 89 | 92 | 92 | 94 | 93 | 92 | 91 | 90 | 86 | 86 | 84 | 82 | 80 |
| State of weather. Nature of precipitation and time of beginning and ending | | | RB 2:30 | RL ONH ? | | | | | | | | | | | | | | | | | | | | |
| Amounts of precipitation | | | .10 | T | | | | | | | | | | | | | | | | | | | | |
| Cloudiness and other conditions | | | | | | ← | | | | | | Clear | | | | | | | | | → | | | |
| Sunshine (in tenths of hours) | | | | | 0 | 0 | 0.8 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 0.3 0.7 | 0.5 0 | 0 | | | | |
| Wind direction | S | SW | SW | SW | SW | S | S | SW | SW | W | W | NW | NW | NW | W | W | SW | SW | SW | SW | SW | SE | S | S |
| Wind movement | 8 | 7 | 9 | 9 | 5 | 7 | 7 | 9 | 10 | 8 | 7 | 8 | 8 | 6 | 6 | 6 | 6 | 6 | 7 | 6 | 7 | 9 | 8 | 7 |
| Maximum velocities (exceeding 24 miles) direction and time | | | | | | | | | | | | | | | | | | | | | | | | |

Sunrise: Time, 4:09 Character, Cloudy. Moonrise: ____ ____

Sunset: Time, 7:10 Character, Cloudy after 6:30. Moonset: ____ ____

Wind data corrected to true velocity.

| Total duration. From— | To— | Total amount of precipitation. | Excessive rate. Began— | Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | | | | | |

Excessive precipitation, accumulated amounts

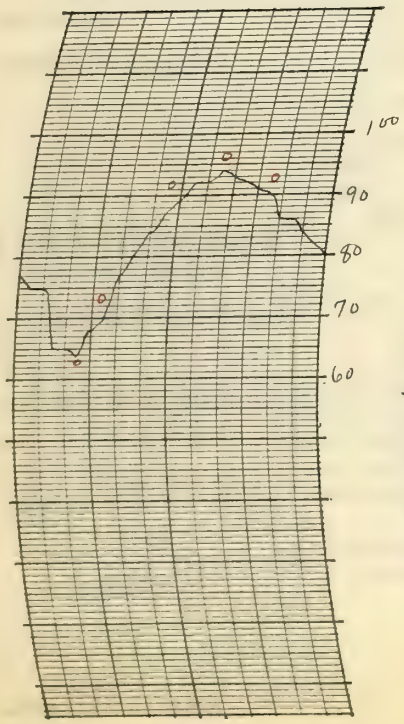
| Maximum Temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 94 | 64 | 79 | |

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., .10 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, .10 inches.
Character of day, Clear Moon phase, ____
Average daily cloudiness (0-10), 2
Actual sunshine, hours, 12.3 Possible sunshine, hours, 15.0
Per cent of possible sunshine, 82
Prevailing wind direction, SW Total wind, 176
Average hourly velocity, 7.3 Extreme velocity, 24
Maximum velocity, 21 Direction, N
Time began, 2:32 a.m.
Reduced barometer, 29.83 7 a. m. 29.80 7 p. m.
River gage, 1.3 feet
Relative humidity, 85 7 a. m. 52 7 p. m.

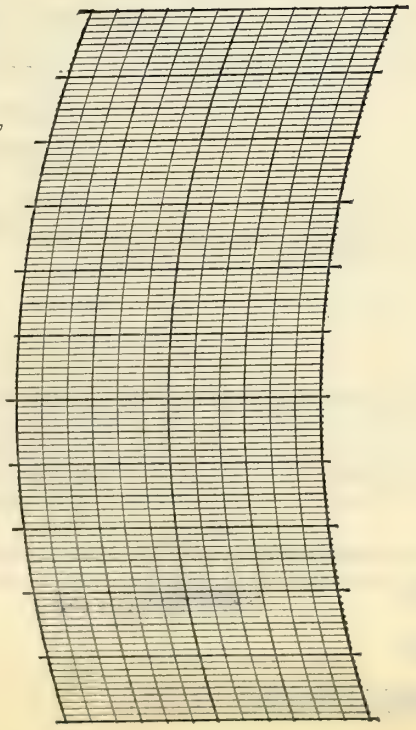
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 89.0 Wet temperature, 74.0
Dew-point, 68 R. humidity, 50 V. pressure, 1.684
Clouds: Amount, Few; Kind, Cu; Direction, NW
Velocity of clouds (miles per hour)

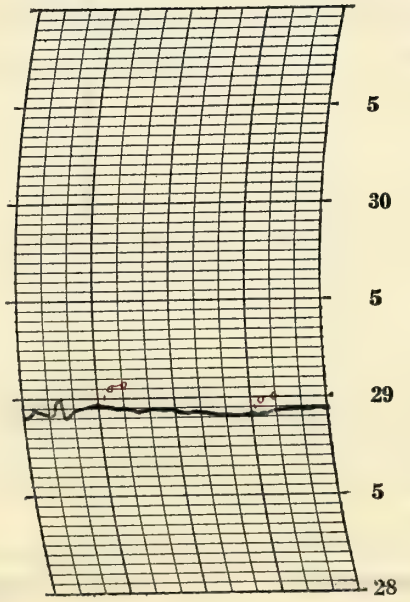
THERMOGRAPH




THERMOGRAPH




BAROGRAPH.




Prepared by L. C. S.

Verified by R. E. L.

8—486

## NOTES

a heavy thunderstorm with sharp flashes of lightning and loud thunder occurred from 2:00 to 4:00 a.m. Some slight damage was done in the city such as limbs blown from trees and light and telephone wires down, in a few instances.

Storm was much more severe to the North and Northwest.

Flying conditions were excellent.

Form No. 1014—Met'1

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Wednesday, (Date) JUN 7 1933, 193

Time (local standard) 90 mer. normal time.

| | A.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 | P.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Temperature at end of hour | 79 | 78 | 77 | 77 | 78 | 80 | 80 | 85 | 87 | 89 | 91 | 92 | 94 | 97 | 99 | 97 | 96 | 95 | 92 | 87 | 85 | 84 | 82 | 80 |
| State of weather. Nature of precipitation and time of beginning and ending | | | | | | | | | | | | | | | | | | | | | | | | |
| Amounts of precipitation | | | | | | | | | | | | | | | | | | | | | | | | |
| Cloudiness and other conditions | | | | | ← Clear | | ← | | Pt Cloudy | | → | Clear | → | | | | | | | | | | | |
| Sunshine (in tenths of hours) | | | | | .85 0 | 0.9 0.1 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 0.9 0.1 | .17 0 | | | | |
| Wind direction | S | S | SW | SW | SW | SW | SW | SW | SW | SW | SW | SW | SW | SW | SW | SW | SW | SW | SW | SW | SW | SW | SW | SW |
| Wind movement | 7 | 8 | 7 | 9 | 8 | 8 | 9 | 11 | 12 | 13 | 13 | 15 | 15 | 14 | 13 | 13 | 12 | 10 | 8 | 8 | 8 | 9 | 8 | 7 |
| Maximum velocities (exceeding 24 miles) direction and time | | | | | | | | | | | | | | | | | | | | | | | | |

Sunrise: Time, 4:09 Character, Clear
Moonrise:

Sunset: Time, 7:10 Character, Clear
Moonset:

Wind data corrected to true velocity.

| Total duration. From— | To— | Total amount of precipitation. | Excessive rate. Began— | Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | | | | | |

Excessive precipitation, accumulated amounts

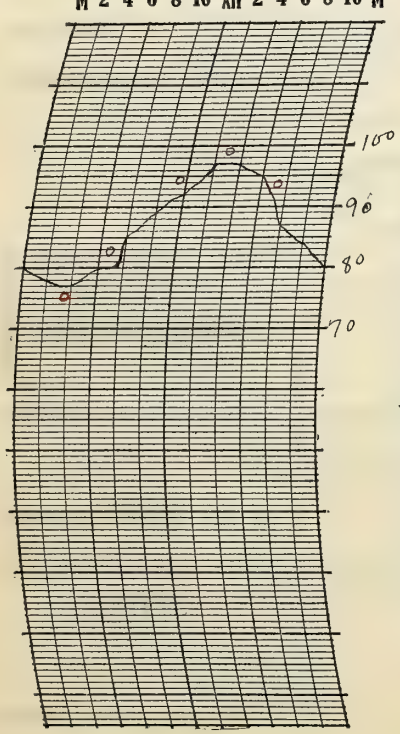
| Maximum Temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 97 | 77 | 87 | |

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Clear Moon phase,
Average daily cloudiness (0-10), 2
Actual sunshine, hours, 15.0 Possible sunshine, hours, 15.0
Per cent of possible sunshine, 100
Prevailing wind direction, SW Total wind, 245
Average hourly velocity, 10.2 Extreme velocity, 20
Maximum velocity, 18 Direction, SW
Time began, 12:58 P.M.
Reduced barometer, 29.82 7 a. m. 29.81 7 p. m.
River gage, 1.3 feet
Relative humidity, 83 7 a. m. 50 7 p. m.

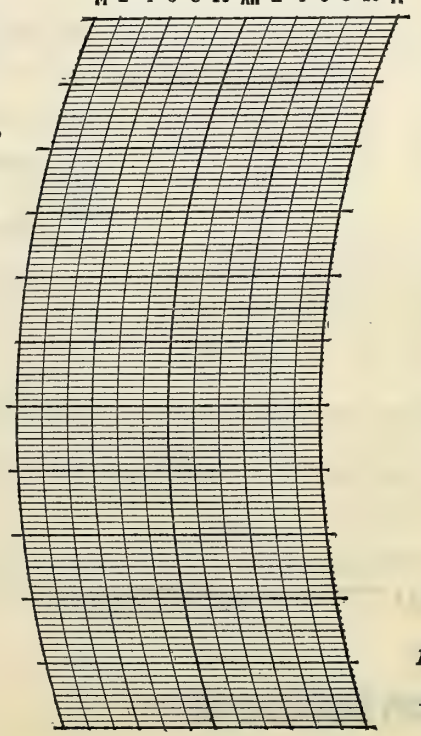
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 92.0 Wet temperature, 78.0
Dew-point, 73 R. humidity, 54 V. pressure, 810
Clouds: Amount, 2; Kind, Cu St; Direction, W
Velocity of clouds (miles per hour)

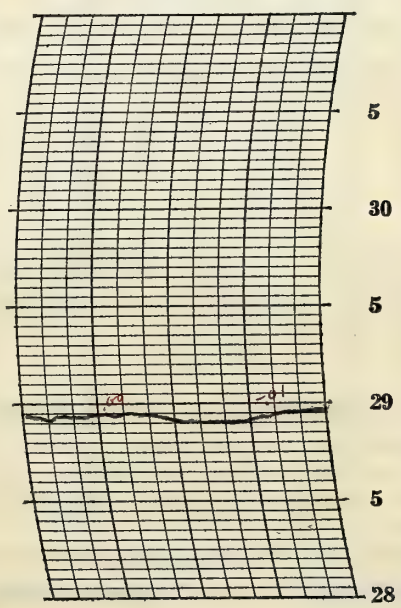
THERMOGRAPH




THERMOGRAPH




BAROGRAPH.




Prepared by L.C.S.

Verified by R.E.L.

8—486

## NOTES

I lying Conditions Were excellent all Day. Day Was very sultry and temperature Was only one degree below the all time record for the month of June.

No fatalities are reported locally. Henry E. Freese Was overcome by heat at Columbia City Indiana, 23 miles from here. He was overcome about 3:00 P.M. While working in the field. He Was 50 yrs. old.

Schools were dismissed in afternoon because of the intense heat

Form No. 1014—Met'1

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Thursday, (Date) JUN 8 1933, 193

Time (local standard) 90 mer. normal time.

| | A.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 | P.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Temperature at end of hour | 78 | 77 | 76 | 73 | 72 | 74 | 78 | 83 | 87 | 89 | 90 | 92 | 94 | 95 96 | 95 | 94 | 93 | 91 | 89 | 86 | 84 | 82 | 80 | 79 |
| State of weather. Nature of precipitation and time of beginning and ending | | | | | | | | | | | | | | | | | | | | | | | | |
| Amounts of precipitation | | | | | | | | | | | | | | | | | | | | | | | | |
| Cloudiness and other conditions | | | | | Pt Cloudy | | | | | | | Clear | | | | | | | | | | | 7 | |
| Sunshine (in tenths of hours) | | | | | 0 | 0.2 | 0.9 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 0.1 0.9 | 1.0 0 | .18 0 | | | | |
| Wind direction | SW | SW | SW | SW | SW | SW | SW | SW | SW | SW | SW | SW | SW | SW | SW | SW | S | S | SW | SW | SW | SW | SW | SW |
| Wind movement | 7 | 6 | 7 | 6 | 7 | 7 | 9 | 9 | 11 | 12 | 11 | 12 | 12 | 14 | 15 | 15 | 15 | 14 | 11 | 10 | 10 | 9 | 9 | 9 |

Sunrise: Time, 4:09 Character, Cloudy. Moonrise:

Sunset: Time, 7:11 Character, Clear. Moonset:

Maximum Temperature: 96 | Minimum temperature: 72 | Mean temperature: 84 | Normal temperature:

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 6 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Clear Moon phase,
Average daily cloudiness (0-10), 1
Actual sunshine, hours, 13.3 Possible sunshine, hours, 15.0
Per cent of possible sunshine, 89
Prevailing wind direction, SW Total wind, 247
Average hourly velocity, 10.3 Extreme velocity, 20
Maximum velocity, 18 Direction, SW
Time began, 3:53 P.M.
Reduced barometer, 29.89 7 a. m. 29.79 7 p. m.
River gage, 1.2 feet
Relative humidity, 77 7 a. m. 53 7 p. m.

Wind data corrected to true velocity.

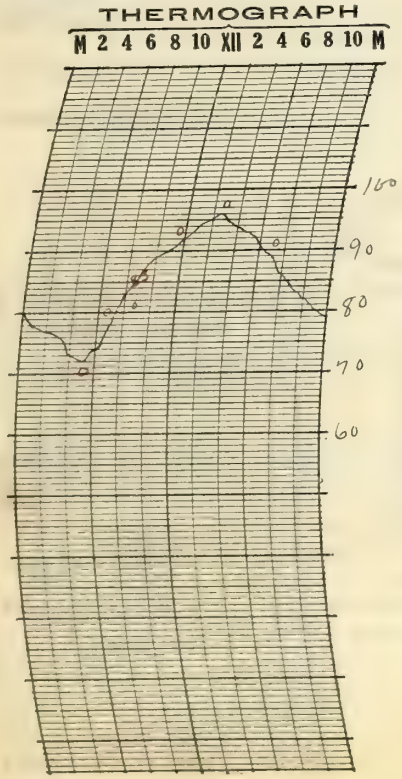
Excessive precipitation, accumulated amounts

| Total duration. From— | To— | Total amount of precipitation. | Excessive rate. Began— | Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | | | | | |

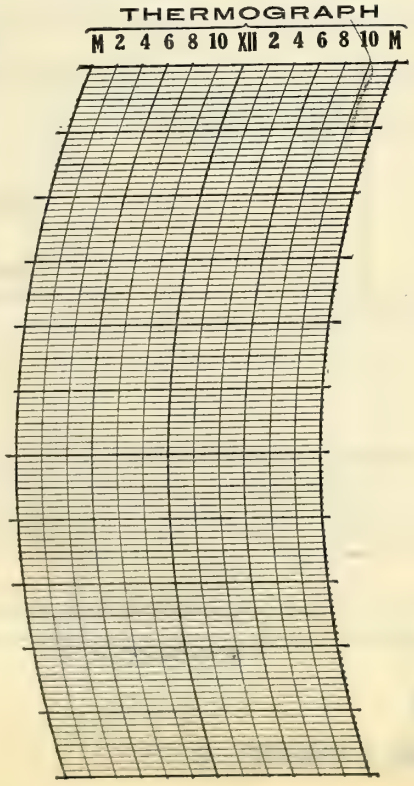
OBSERVATIONS AT 12 NOON. (Local Mean Time.)

Dry temperature, 91.7 Wet temperature, 74.6
Dew-point, 68 R. humidity, 45 V. pressure, .684
Clouds: Amount, 0; Kind, 0; Direction, 0
Velocity of clouds (miles per hour)

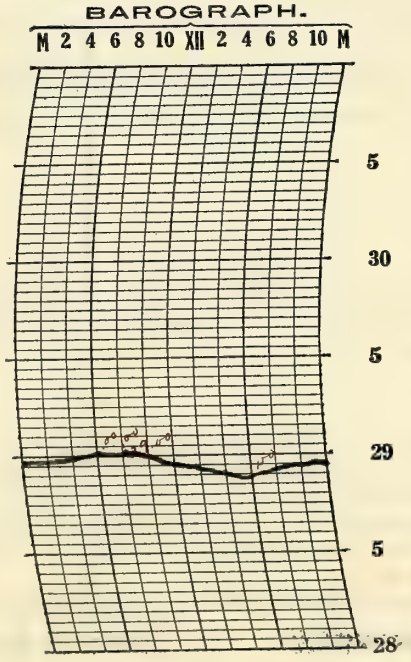
THERMOGRAPH




THERMOGRAPH




BAROGRAPH.




Prepared by L. C. S.

Verified by

8—486

## NOTES

Henry E. Freese of Columbia City, Indiana who was overcome by heat yesterday, died at 7:30 a. m. Death was due to heat prostration and congestion of the brain, according to the report.

The heat wave continues unabated. Working conditions were excellent all day. Schools were dismissed in the afternoon because of the intense heat.

Form No. 1014—Met'1

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Friday, (Date) JUN 9 1933, 193

Time (local standard) 90 mer. normal time.

| | A.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 | P.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Temperature at end of hour | 78 | 76 | 74 | 73 | 73 | 74 | 76 | 77 | 79 | 82 | 84 | 85 | 86 | 88 | 89 | 89 | 88 | 86 | 85 | 82 | 79 | 76 | 75 | 75 |
| State of weather. Nature of precipitation and time of beginning and ending | | | | | | | | | | | | | | | | | | | | | | | | |
| Amounts of precipitation | | | | | | | | | | | | | | | | | | | | | | | | |
| Cloudiness and other conditions | | | | | | ← | | | | Pt Cloudy | | | | × | | | Clear | | | | → | | | |
| Sunshine (in tenths of hours) | | | | | 0 | 0 | 0.1 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 0.6 | 1.0 0 | 2.0 0 | | | | |
| Wind direction | SW | SW | SW | SW | W | W | W | NW | N | NW | NW | NW | NW | NW | NW | NW | NW | NE | NE | NE | NE | NE | NE | NE |
| Wind movement | 8 | 8 | 6 | 6 | 7 | 5 | 6 | 7 | 5 | 8 | 11 | 8 | 8 | 7 | 8 | 7 | 7 | 6 | 4 | 5 | 3 | 4 | 4 | 5 |
| Maximum velocities (exceeding 24 miles) direction and time | | | | | | | | | | | | | | | | | | | | | | | | |

Sunrise: Time, 4:08 Character, Cloudy
Moonrise:
Sunset: Time, 7:12 Character, Clear
Moonset:

Wind data corrected to true velocity.

| Total duration. From— | To— | Total amount of precipitation. | Excessive rate. Began— | Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | | | | | |

Excessive precipitation, accumulated amounts

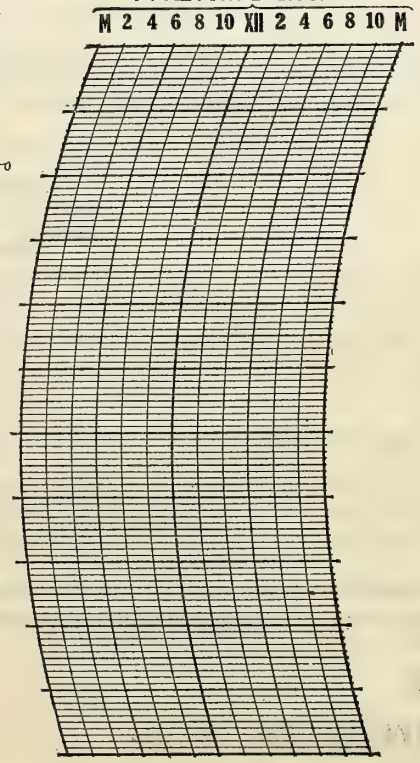
| Maximum Temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 89 | 72 | 80 | |

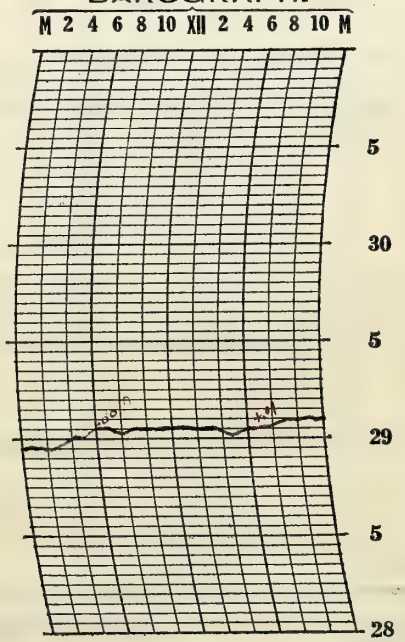
Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Pt Cloudy Moon phase,
Average daily cloudiness (0-10), 5
Actual sunshine, hours, 11.9 Possible sunshine, hours, 15.1
Per cent of possible sunshine, 79
Prevailing wind direction, NW Total wind, 153
Average hourly velocity, 6.4 Extreme velocity, 13
Maximum velocity, 13 Direction, NW
Time began, 10:14 a.m.
Reduced barometer, 29.94 7a. m. 29.96 7p. m.
River gage, 1.2 Feet
Relative humidity, 66 7a. m. 36 7p. m.

OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 85.0 Wet temperature, 65.2
Dew-point, 53 R. humidity, 34 V. pressure, 402
Clouds: Amount, 3; Kind, Ci-Cus; Direction, W
Velocity of clouds (miles per hour)

THERMOGRAPH
M 2 4 6 8 10 XII 2 4 6 8 10 M
100 90 80 70 60




Prepared by R.C.S.
Verified by

8—486

## NOTES

Solar halo was observed from 7:30 a.m to 1:25 P.M. It was very bright from 10:00 a.m to 10:30 a.m. and faint the remainder of the time.

Flying conditions were excellent the entire day.

Form No. 1014—Met'1

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(Station) Fort Wayne Ind., (Day of week) Saturday, (Date) JUN 10 1933, 193

Time (local standard) 90 mer. normal time.

| | A.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 | P.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Temperature at end of hour | 74 | 72 | 70 | 68 | 68 | 71 | 77 | 81 | 86 | 88 | 92 | 93 | 93 | 94 | 96 | 94 | 93 | 92 | 90 | 85 | 82 | 80 | 79 | 76 |
| State of weather. Nature of precipitation and time of beginning and ending | | | | | | | | | | | | | | | | | | | | | | | | |
| Amounts of precipitation | | | | | | | | | | | | | | | | | | | | | | | | |
| Cloudiness and other conditions | | | | | | | | | | | | Clear | | | | | | | | | | | | |
| Sunshine (in tenths of hours) | | | | | .87 0 | 0.5 0.5 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 0.9 | 1.0 | 0.8 0.2 | .20 0 | | | | |
| Wind direction | SE | SE | SE | SE | SE | SE | SE | SE | SE | SE | SE | S | SE | SE | SW | SW | S | S | S | S | S | S | S | SW |
| Wind movement | 7 | 3 | 3 | 3 | 2 | 3 | 2 | 4 | 5 | 5 | 6 | 4 | 7 | 6 | 6 | 8 | 7 | 7 | 5 | 5 | 4 | 6 | 7 | 7 |
| Maximum velocities (exceeding 24 miles) direction and time | | | | | | | | | | | | | | | | | | | | | | | | |

Sunrise: Time, 4:08 Character, Clear
Moonrise:

Sunset: Time, 7:12 Character, Clear
Moonset:

Wind data corrected to true velocity.

| Total duration. From— | To— | Total amount of precipitation. | Excessive rate. Began— | Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | | | | | |

Excessive precipitation, accumulated amounts

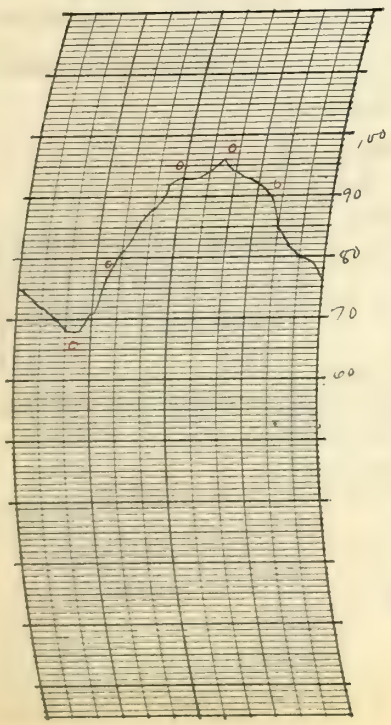
| Maximum Temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 96 | 68 | 82 | |

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 6 inches.
Total snowfall, midnight to midnight, 6 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Clear Moon phase,
Average daily cloudiness (0-10), 7 w
Actual sunshine, hours, 15.0 Possible sunshine, hours, 15.1
Per cent of possible sunshine, 99
Prevailing wind direction, SE Total wind, 122
Average hourly velocity, 5.1 Extreme velocity, 11
Maximum velocity, 11 Direction, SE
Time began, 3:52 P.M.
Reduced barometer, 30.02 7 a. m. 29.99 7 p. m.
River gage, 1.2 feet
Relative humidity, 52 7 a. m. 32 7 p. m.

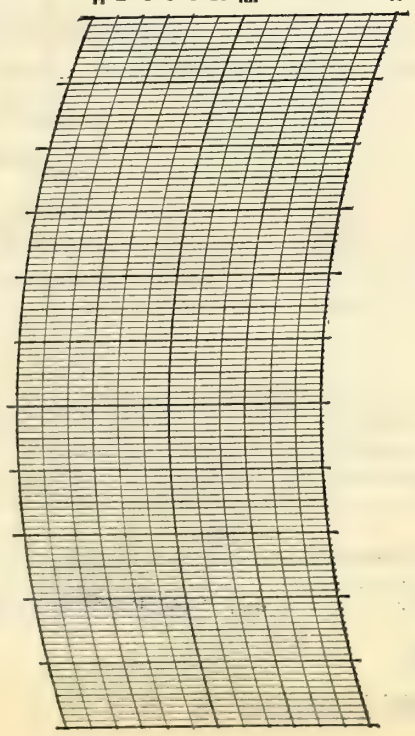
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 93.0 Wet temperature, 65.2
Dew-point, 47 R. humidity, 20 V. pressure, 322
Clouds: Amount, 0; Kind, 0; Direction, 0
Velocity of clouds (miles per hour)

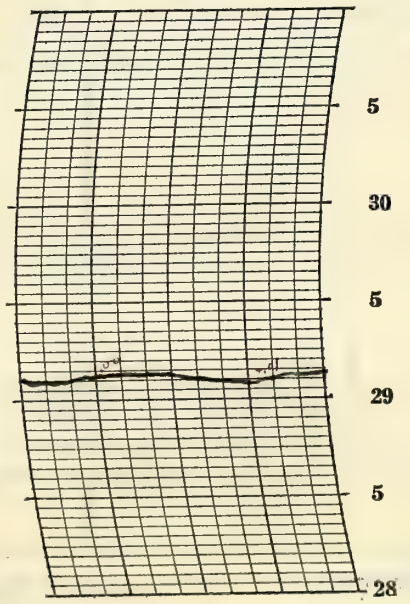
THERMOGRAPH




THERMOGRAPH




BAROGRAPH.




Prepared by L. C. L.

Verified by

8—486

## NOTES

Alfred C. Huffman of 2522 Reed St. was overcome by heat while delivering ice for the Moran Ice Co. according to newspaper reports. The man was taken to St. Joseph's Hospital and released after he recovered.

Additional damage was done to streets at Anthony and Columbia the street heaved up creating a menace to traffic until repaired.

Day was excellent for flying

Form No. 1014—Met'l

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Sunday, (Date) JUN 11 1933, 193

Time (local standard) 90 mer. normal time.

| | A.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 | P.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Temperature at end of hour | 74 | 73 | 72 | 71 | 70 | 72 | 76 | 81 | 86 | 88 | 90 | 92 | 94 | 95 | 96 | 95 | 94 | 92 | 90 | 86 | 84 | 83 | 81 | 79 |
| State of weather. Nature of precipitation and time of beginning and ending | | | | | | | | | | | | | | | | | | | | | | | | |
| Amounts of precipitation | | | | | | | | | | | | | | | | | | | | | | | | |
| Cloudiness and other conditions | | | | | | | | | | | | Clear | | | | | | | | | | | | |
| Sunshine (in tenths of hours) | | | | | .8 7 0 | 0.7 0.3 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 0.2 0.6 | 1.0 0 | .22 0 | | | | |
| Wind direction | SW | SW | SW | SW | SW | SW | SW | SW | W | SW | SW | W | SW | SW | W | SW | SW | SW | SW | SW | SW | SW | SW | W |
| Wind movement | 7 | 6 | 6 | 7 | 6 | 6 | 9 | 10 | 10 | 10 | 11 | 12 | 14 | 12 | 13 | 12 | 12 | 9 | 7 | 6 | 7 | 9 | 9 | 9 |
| Maximum velocities (exceeding 24 miles) direction and time | | | | | | | | | | | | | | | | | | | | | | | | |

Sunrise: Time, 4:08 Character, Clear. Moonrise: ---- ----

Sunset: Time, 7:13 Character, Clear. Moonset: ---- ----

Wind data corrected to true velocity.

| | Total duration. From— | To— | Total amount of precipitation. | Excessive rate. Began— | Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Excessive precipitation, accumulated amounts | | | | | | | | | | | | | | | | | | | | |

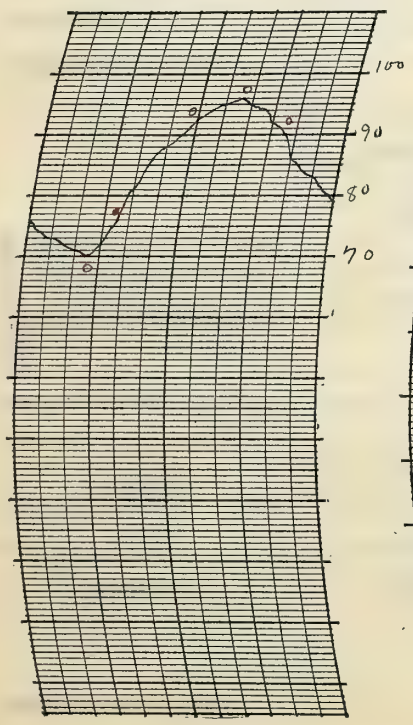
| | |
|---|---|
| Maximum Temperature. | 96 |
| Minimum temperature. | 70 |
| Mean temperature. | 83 |
| Normal temperature. | |

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Clear Moon phase,
Average daily cloudiness (0-10), 7 cu
Actual sunshine, hours, 14.9 Possible sunshine, hours, 15.1
Per cent of possible sunshine, 99
Prevailing wind direction, SW Total wind, 219
Average hourly velocity, 9.1 Extreme velocity, 16
Maximum velocity, 16 Direction, SW
Time began, 12:29 P.M.
Reduced barometer, 30.08 7 a. m. 29.94 7 p. m.
River gage, 1.2 feet
Relative humidity, 68 7 a. m. 41 7 p. m.

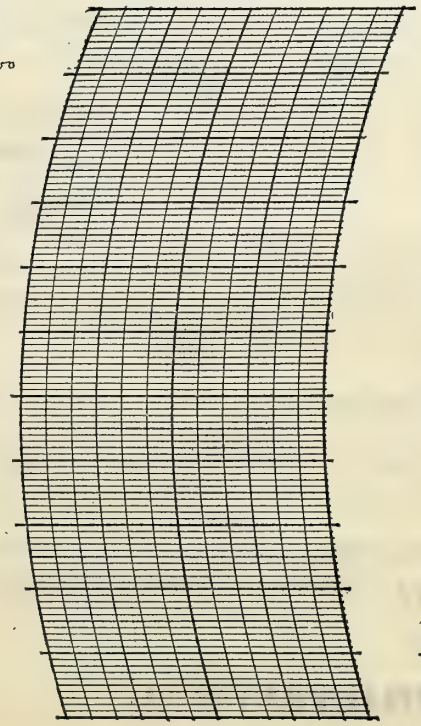
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 92.0 Wet temperature, 71.5
Dew-point, 62 R. humidity, 36 V. pressure, .555
Clouds: Amount, 0; Kind, 0; Direction, 0
Velocity of clouds (miles per hour)

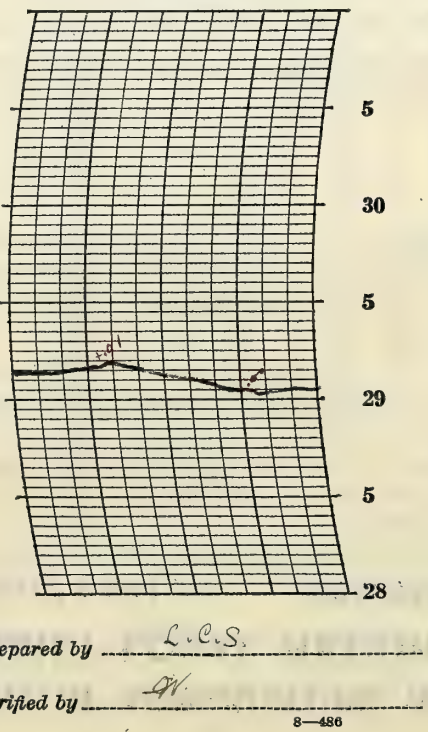
THERMOGRAPH




THERMOGRAPH




BAROGRAPH.




Prepared by L.C.S.

Verified by W.

8—486

## NOTES

Flying Conditions Were excellent all day

Form No. 1014—Met'1

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Monday, (Date) JUN 12 1933, 193

Time (local standard) 90 mer. normal time.

| | A.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 | P.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Temperature at end of hour | 76 | 75 | 74 | 71 | 66 | 58 | 60 | 63 | 66 | 70 | 75 | 74 | 77 | 77 | 74 | 72 | 69 | 68 | 67 | 63 | 62 | 60 | 57 | 56 |
| State of weather. Nature of precipitation and time of beginning and ending | | | | | RB 7 ONA | | | RE 7:05 | | | | | | | | | | | | | | | | |
| Amounts of precipitation | | | | | T | .06 | .01 | T | | | | | | | | | | | | | | | | |
| Cloudiness and other conditions | | | | | | ← Cloudy | | → × | Pt Cloudy | | | | | | | | | × Clear → | | | | | | |
| Sunshine (in tenths of hours) | | | | | 0 | 0 | 0 | 0.2 | 0.6 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 0.3 0.7 | 1.0 0 | .22 0 | | | | |
| Wind direction | NW | N | N | N | N | NE | NE | N | N | N | N | NW | NW | NW | NW | NW | NW | NW | NW | NW | N | N | N | N |
| Wind movement | 9 | 9 | 9 | 10 | 13 | 12 | 8 | 10 | 9 | 9 | 10 | 11 | 12 | 15 | 17 | 18 | 17 | 15 | 12 | 10 | 10 | 12 | 9 | 10 |
| Maximum velocities (exceeding 24 miles) direction and time | | | | | | | | | | | | | | | | | | | | | | | | |

Sunrise: Time, 4:08 Character, Cloudy

Moonrise:

Sunset: Time, 7:13 Character, Clear

Moonset:

Wind data corrected to true velocity.

| Total duration. From— | To— | Total amount of precipitation. | Excessive rate. Began— | Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | | | | | |

Excessive precipitation, accumulated amounts

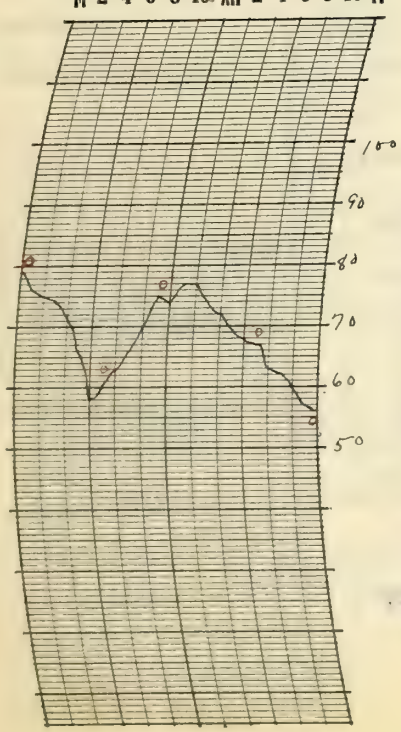
| Maximum Temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 79 | 56 | 68 | |

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., .07 ins.; to 7 p. m., T ins.
Total precipitation, midnight to midnight, .07 inches.
Character of day, Pt Cloudy Moon phase,
Average daily cloudiness (0-10), 7
Actual sunshine, hours, 11.0 Possible sunshine, hours, 15.1
Per cent of possible sunshine, 72
Prevailing wind direction, N Total wind, 276
Average hourly velocity, 11.5 Extreme velocity, 21
Maximum velocity, 21 Direction, NW
Time began, 3:02 pm
Reduced barometer, 30.05 7 a. m. 30.04 7 p. m.
River gage, 1.2 feet
Relative humidity, 82 7 a. m. 42 7 p. m.

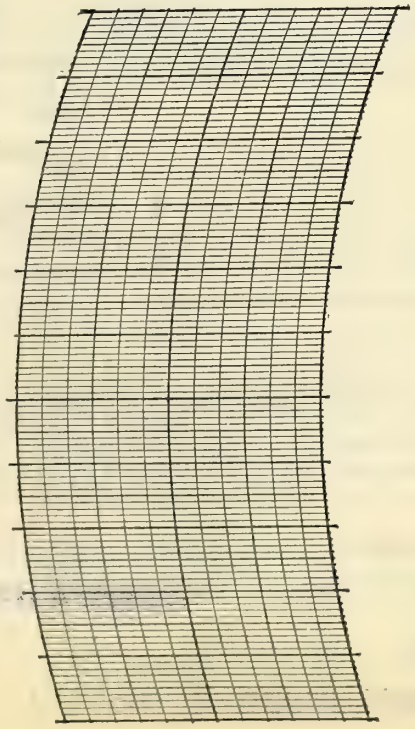
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 74.0 Wet temperature, 57.0
Dew-point, 43 R. humidity, 34 V. pressure, .277
Clouds: Amount, 2 3 2; Kind, Cu Cu St+ A-Cu; Direction, W W W
Velocity of clouds (miles per hour)

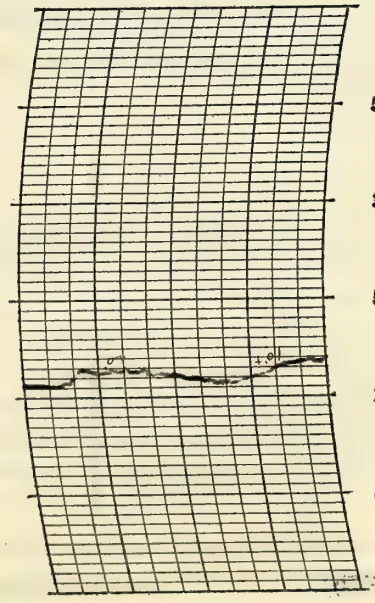
THERMOGRAPH




THERMOGRAPH




BAROGRAPH.




Prepared by L.C.S.

Verified by

8—486

## NOTES

A light thunderstorm began 10 A.M. and continued to 6:15 P. It was much heavier to the North and Northwest. It appeared here to approach from the Northwest and West Southeast. Flying Conditions were excellent all day. A faint solar halo was observed from 11:30 A to 1:00 P.

Form No. 1014—Met'l

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Tuesday, (Date) JUN 13 1933, 193

Time (local standard) 90 mer. normal time.

| | A.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 | P.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Temperature at end of hour | 54 | 52 | 50 | 49 | 48 | 51 | 52 | 56 | 58 | 59 | 60 | 62 | 64 | 63 | 63 | 64 | 63 | 61 | 59 | 56 | 54 | 52 | 50 | 49 |
| State of weather. Nature of precipitation and time of beginning and ending | | | | | | | | | | | | | | | | | | | | | | | | |
| Amounts of precipitation | | | | | | | | | | | | | | | | | | | | | | | | |
| Cloudiness and other conditions | | | | | | ← Clear | | → | | Cloudy | | | → | Pt Cldy | | → | Clear | | | | | | | |
| Sunshine (in tenths of hours) | | | | | .87 0 | 0.3 0.7 | 1.0 | 1.0 | 0.9 | 0.8 | 0.4 | 0.8 | 1.0 | 0.8 | 0.5 | 0.4 | 0.4 | 0.3 0.6 | 1.0 0 | .23 0 | | | | |
| Wind direction | N | N | N | N | N | NW | N | N | N | NW | NW | NW | NW | N | NW | NW | NW | NW | NW | NW | NW | NW | NW | NW |
| Wind movement | 9 | 9 | 8 | 5 | 7 | 9 | 11 | 12 | 14 | 15 | 14 | 12 | 14 | 13 | 12 | 13 | 13 | 15 | 12 | 9 | 9 | 7 | 7 | 7 |
| Maximum velocities (exceeding 24 miles) direction and time | | | | | | | | | | | | | | | | | | | | | | | | |

Sunrise: Time, 4:08 Character, Clear
Moonrise: ---- ----
Sunset: Time, 7:14 Character, Clear
Moonset: ---- ----

Wind data corrected to true velocity.

| Total duration. From— | To— | Total amount of precipitation. | Excessive rate. Began— | Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | | | | | |

Excessive precipitation, accumulated amounts

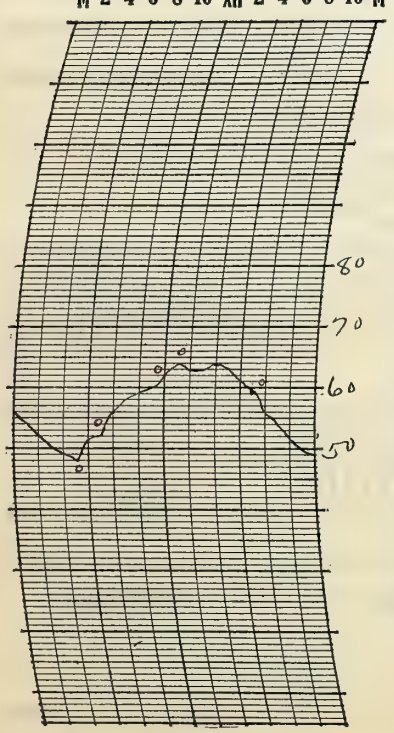
| Maximum Temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 64 | 48 | 56 | |

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Pt Cloudy Moon phase, ----
Average daily cloudiness (0-10), 4
Actual sunshine, hours, 12.0 Possible sunshine, hours, 15.1
Per cent of possible sunshine, 79
Prevailing wind direction, NW Total wind, 256
Average hourly velocity, 10.7 Extreme velocity, 20
Maximum velocity, 18 Direction, NW
Time began, 9:35 a. m.
Reduced barometer, 30.21 7 a. m. 30.17 7 p. m.
River gage, 0.6 feet
Relative humidity, 56 7 a. m. 35 7 p. m.

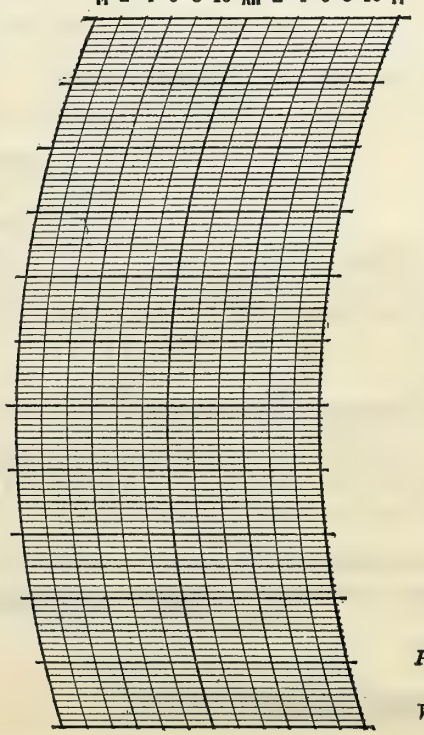
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 61.6 Wet temperature, 47.9
Dew-point, 33 R. humidity, 34 V. pressure, .187
Clouds: Amount, 8; Kind, St Cu; Direction, NW
Velocity of clouds (miles per hour)

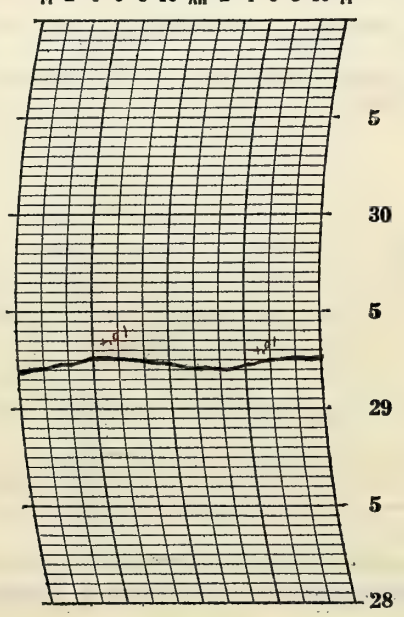
THERMOGRAPH




THERMOGRAPH




BAROGRAPH.




Prepared by L.C.S

Verified by W

8—436

## NOTES

Flying conditions were excellent all day.

Form No. 1014—Met'1

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Wednesday, (Date) JUN 14 1933, 193

Time (local standard) 90 mer. normal time.

| | A.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 | P.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Temperature at end of hour | 48 | 47 | 46 | 44 | 44 | 47 | 50 | 54 | 56 | 58 | 60 | 61 | 63 | 65 | 65 | 66 | 66 | 65 | 64 | 60 | 57 | 55 | 53 | 51 |
| State of weather. Nature of precipitation and time of beginning and ending | | | | | | | | | | | | | | | | | | | | | | | | |
| Amounts of precipitation | | | | | | | | | | | | | | | | | | | | | | | | |
| Cloudiness and other conditions | | | | | | ← | | | | | | Clear | | | | | | | | | → | | | |
| Sunshine (in tenths of hours) | | | | | .87 0 | 0.6 0.4 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 0.1 0.9 | 1.0 0 | .23 0 | | | | |
| Wind direction | N | N | N | N | N | N | N | N | N | N | N | N | N | N | N | N | NE | NE | N | N | NW | NW | N | N |
| Wind movement | 7 | 6 | 6 | 6 | 8 | 8 | 9 | 9 | 10 | 12 | 12 | 9 | 11 | 10 | 10 | 8 | 8 | 8 | 6 | 4 | 7 | 6 | 4 | 2 |
| Maximum velocities (exceeding 24 miles) direction and time | | | | | | | | | | | | | | | | | | | | | | | | |

Sunrise: Time, 4:08 Character, Clear

Moonrise:

Sunset: Time, 7:14 Character, Clear

Moonset:

Wind data corrected to true velocity.

| Total duration. From— | To— | Total amount of precipitation. | Excessive rate. Began— | Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | | | | | |

Excessive precipitation, accumulated amounts

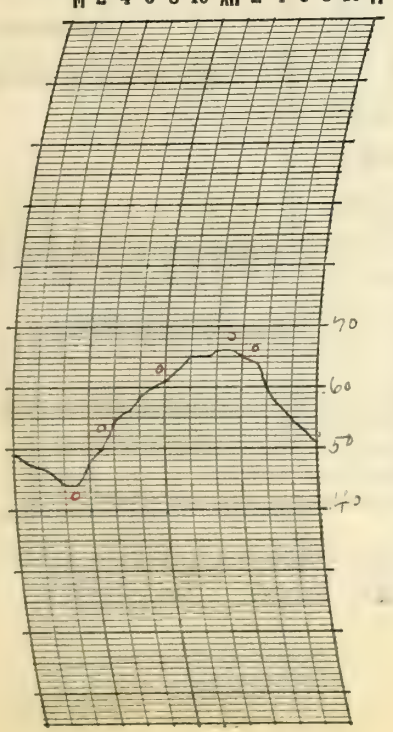
| Maximum Temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 66 | 44 | 55 | |

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Clear Moon phase,
Average daily cloudiness (0-10), 7ew
Actual sunshine, hours, 15.1 Possible sunshine, hours, 15.1
Per cent of possible sunshine, 100
Prevailing wind direction, N Total wind, 186
Average hourly velocity, 7.8 Extreme velocity, 17
Maximum velocity, 16 Direction, NE
Time began, 7:18 a.m.
Reduced barometer, 30.30 7 a. m. 30.26 7 p. m.
River gage, 0.7 feet
Relative humidity, 62 7 a. m. 30 7 p. m.

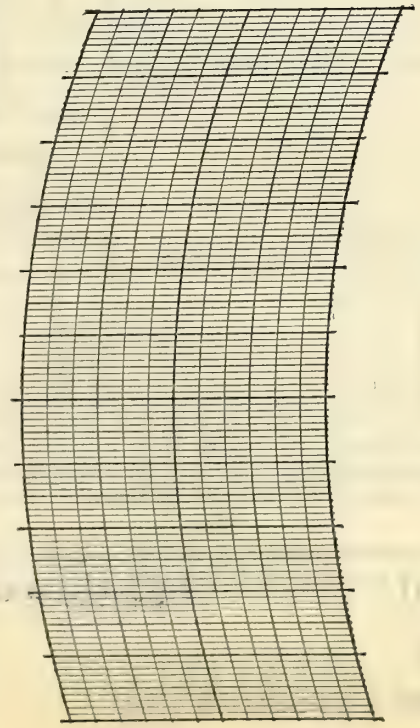
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 61.0 Wet temperature, 47.1
Dew-point, 31 R. humidity, 32 V. pressure, .172
Clouds: Amount, 7ew; Kind, acu; Direction, W
Velocity of clouds (miles per hour)

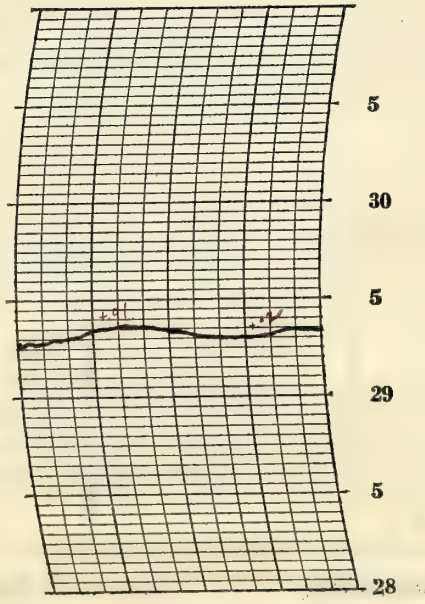
THERMOGRAPH




THERMOGRAPH




BAROGRAPH.




Prepared by K. C. S.

Verified by

8—486

## NOTES

Light frost is reported to have touched some tender vegetation here and there in extreme lowlands.

Flying conditions excellent all day.

Form No. 1014—Met'l

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Thursday, (Date) JUN 15 1933, 193

Time (local standard) 90 mer. normal time.

| | A.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 | P.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Temperature at end of hour | 48 | 46 | 45 | 44 | 44 | 48 | 53 | 61 | 64 | 68 | 70 | 71 | 74 | 74 | 76 | 77 | 76 | 75 | 74 | 71 | 68 | 67 | 66 | 66 |
| State of weather. Nature of precipitation and time of beginning and ending | | | | | | | | | | | | | | | | | | | | | | | | |
| Amounts of precipitation | | | | | | | | | | | | | | | | | | | | | | | | |
| Cloudiness and other conditions | | | | | | ← Pt Cloudy | × | — Cloudy × | | Pt Cloudy | × | | Cloudy | | × | Pt Cloudy | | | × | Clear | → | | | |
| Sunshine (in tenths of hours) | | | | | .87 0 | 0.8 0.2 | 0.8 | 0.9 | 0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 0.8 | 0 | 0 | 0 | | | | |
| Wind direction | N | N | N | N | N | SW | SW | SW | SW | W | W | W | W | SW | SW | SW | SW | SW | SW | SW | SW | SW | SW | SW |
| Wind movement | 4 | 3 | 5 | 5 | 4 | 7 | 9 | 9 | 11 | 14 | 13 | 15 | 12 | 14 | 15 | 15 | 15 | 14 | 14 | 12 | 10 | 13 | 14 | 13 |
| Maximum velocities (exceeding 24 miles) direction and time | | | | | | | | | | | | | | | | | | | | | | | | |

Sunrise: Time, 4:08 Character, Clear. Moonrise:

Sunset: Time, 7:14 Character, Cloudy. Moonset:

Wind data corrected to true velocity.

| Total duration. From— | To— | Total amount of precipitation. | Excessive rate. Began— | Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | | | | | |

Excessive precipitation, accumulated amounts

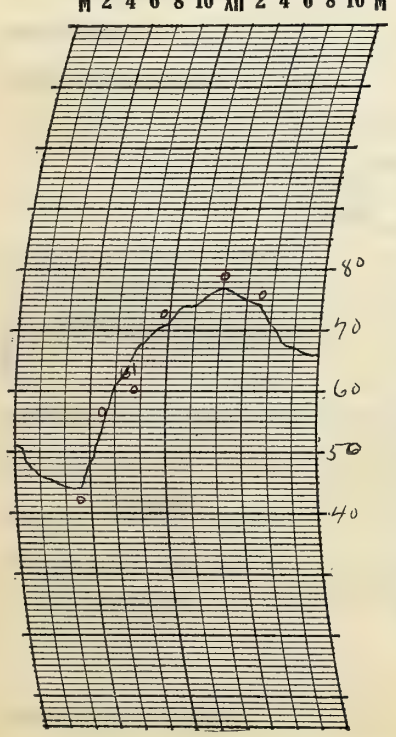
| Maximum Temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 77 | 44 | 60 | |

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Pt Cloudy Moon phase,
Average daily cloudiness (0-10), 6
Actual sunshine, hours, 11.4 Possible sunshine, hours, 15.1
Per cent of possible sunshine, 75
Prevailing wind direction, SW Total wind, 260
Average hourly velocity, 10.8 Extreme velocity, 22
Maximum velocity, 19 Direction, SW
Time began, 2:16 P. m.
Reduced barometer, 30.27 7a. m. 30.05 7p. m.
River gage, 0.7 feet
Relative humidity, 53 7a. m. 28 7p. m.

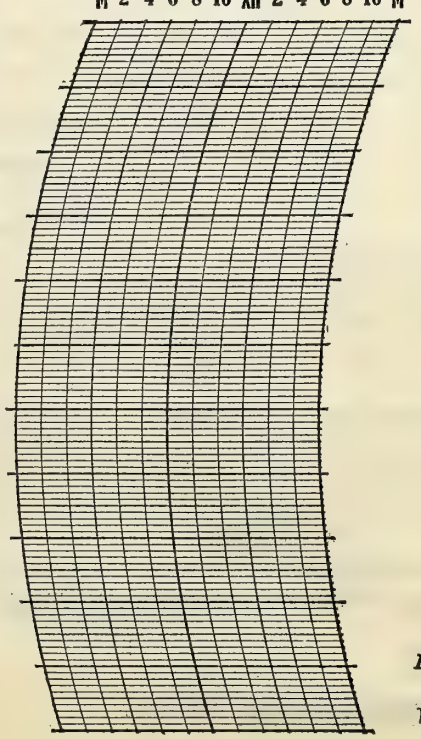
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 71.0 Wet temperature, 53.1
Dew-point, 36 R. humidity, 27 V. pressure, 211
Clouds: Amount, 3; Kind, ~~Cu.~~ Direction, NW
Velocity of clouds (miles per hour)

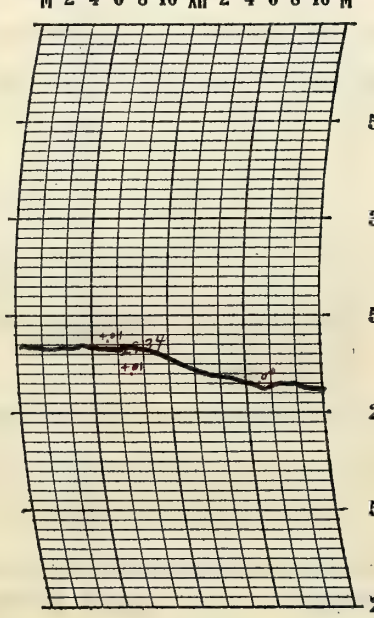
THERMOGRAPH




THERMOGRAPH




BAROGRAPH.




Prepared by L.C.S.

Verified by

8—486

## NOTES

Light frost touched some tender vegetables here and there in lowlands.
Flying Conditions Were excellent all day.

Form No. 1014—Met'1

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind, (Day of week) Friday, (Date) JUN 16 1933, 193

Time (local standard) 90 mer. normal time.

| | A.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Temperature at end of hour | 66 | 64 | 64 | 64 | 64 | 66 | 67 | 70 | 70 | 71 | 71 | 71 |
| State of weather. Nature of precipitation and time of beginning and ending | | | | | | | | | | RB 9:50 RL 9:52 | RB 10:55 | RL 11:30 |
| Amounts of precipitation | | | | | | | | | | T | T | T |
| Cloudiness and other conditions | | | | | | ← Cloudy. | | | | | | |
| Sunrise: Time, 4:08 Character, Cloudy. Moonrise: | | | | | | | | | | | | |
| Sunshine (in tenths of hours) | | | | | 0 | 0 | 0 | 0.7 | 0.2 | 0 | 0.3 | 0 |
| Wind direction | SW | SW | SW | SW | SW | SW | W | W | W | W | W | W |
| Wind movement | 12 | 12 | 12 | 11 | 11 | 11 | 12 | 16 | 15 | 14 | 15 | 12 |
| Maximum velocities (exceeding 24 miles) direction and time | | | | | | | | | | | | |

| | P.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Temperature at end of hour | 71 | 70 | 68 | 73 | 74 | 74 | 74 | 72 | 69 | 68 | 66 | 66 |
| State of weather. Nature of precipitation and time of beginning and ending | RB 12:50 | | RE 2:45 | | | | | | | RB DNP RE DNP ? | | |
| Amounts of precipitation | T | .01 | .02 | | | | | | | T | | |
| Cloudiness and other conditions | | | | | | | | | → | | | |
| Sunset: Time, 7:15 Character, Cloudy. Moonset: | | | | | | | | | | | | |
| Sunshine (in tenths of hours) | 0 | 0 | 0 | 0.2 | 0.2 | 0 | 0 | 0 | | | | |
| Wind direction | W | NW | SW | SW | SW | SW | SW | SW | SW | SW | SW | SW |
| Wind movement | 10 | 9 | 9 | 12 | 11 | 9 | 5 | 2 | 4 | 3 | 5 | 5 |

Wind data corrected to true velocity.

Excessive precipitation, accumulated amounts

| Total duration. From— | To— | Total amount of precipitation. | Excessive rate. Began— | Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | | | | | |

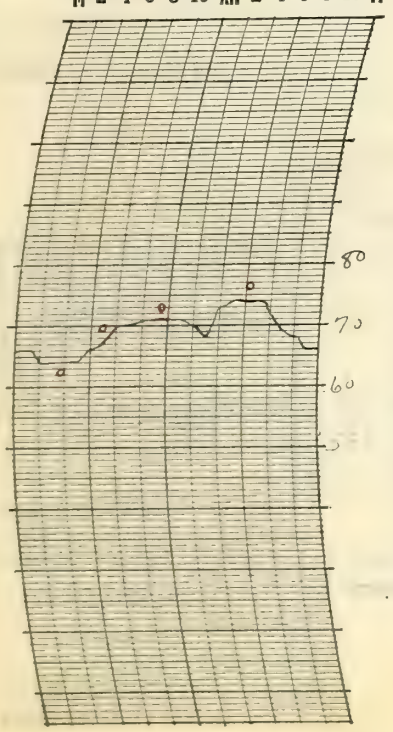
| | |
|---|---|
| Maximum Temperature. | 74 |
| Minimum temperature. | 64 |
| Mean temperature. | 69 |
| Normal temperature. | |

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., .03 ins.
Total precipitation, midnight to midnight, .03 inches.
Character of day, Cloudy Moon phase,
Average daily cloudiness (0-10), 10
Actual sunshine, hours, 1.6 Possible sunshine, hours, 15.1
Per cent of possible sunshine, 11
Prevailing wind direction, SW Total wind, 237
Average hourly velocity, 9.9 Extreme velocity, 22
Maximum velocity, 21 Direction, W
Time began, 7:54 a.m.
Reduced barometer, 29.98 7 a. m. 29.92 7 p. m.
River gage, 0.6 feet
Relative humidity, 45 7 a. m. 62 7 p. m.

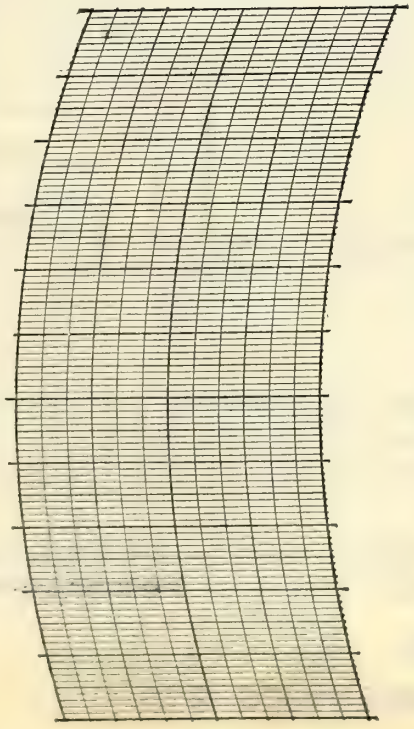
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 71.2 Wet temperature, 61.0
Dew-point, 55 R. humidity, 55 V. pressure, 4.32
Clouds: Amount, 3/7; Kind, Cu ast; Direction, W
Velocity of clouds (miles per hour)

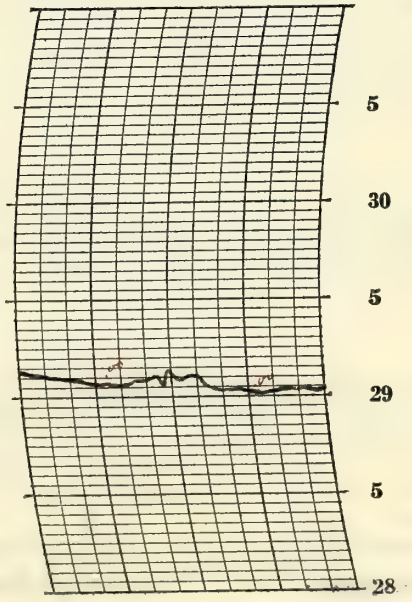
THERMOGRAPH




THERMOGRAPH




BAROGRAPH.




Prepared by R. C. S.

Verified by

8—486

## NOTES

Flying conditions good all day Ceilings around 3000 ft and Visibility around 10 miles

Form No. 1014—Met'l

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Saturday, (Date) JUN 17 1933, 193

Time (local standard) 90 mer. normal time.

| | A.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 | P.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Temperature at end of hour | 65 | 64 | 64 | 64 | 63 | 65 | 70 | 73 | 76 | 78 | 79 | 81 | 82 | 84 | 84 | 84 | 82 | 81 | 80 | 74 | 71 | 68 | 66 | 64 |
| State of weather. Nature of precipitation and time of beginning and ending | | | | | | | | | | | | | | | | | | | | | | | | |
| Amounts of precipitation | | | | | | | | | | | | | | | | | | | | | | | | |
| Cloudiness and other conditions | | | | | | Clear | | × | Cloudy | × | Part Cloudy | | | | × | Cloudy | × | Part Cloudy | | Cloudy | × | Pt Cldy | | |
| Sunshine (in tenths of hours) | | | | | .8 7 0 | 0.9 0.1 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 0.9 | 0.8 | 0.4 | 0.8 | 0.3 0 | .25 0 | | | | |
| Wind direction | SW | SW | SW | SW | SW | SW | SW | SW | NE | NE | NE | N | N | N | N | NE | NE | NE | NE | E | E | E | E | E |
| Wind movement | 4 | 4 | 4 | 4 | 3 | 3 | 5 | 5 | 6 | 6 | 6 | 7 | 7 | 6 | 6 | 8 | 9 | 9 | 9 | 8 | 9 | 8 | 8 | 7 |
| Maximum velocities (exceeding 24 miles) direction and time | | | | | | | | | | | | | | | | | | | | | | | | |

Sunrise: Time, 4:08 Character, Clear. Moonrise: ---- ----

Sunset: Time, 7:15 Character, clear after 6.40. Moonset: ---- ----

Wind data corrected to true velocity.

| Total duration. From— | To— | Total amount of precipitation. | Excessive rate. Began— | Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | | | | | |

Excessive precipitation, accumulated amounts

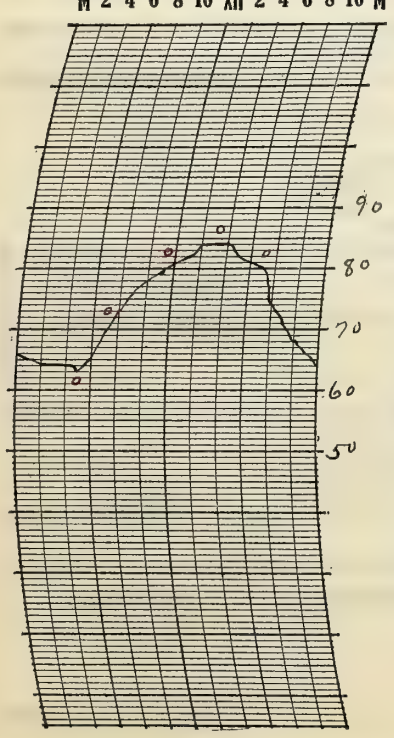
| Maximum Temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 84 | 63 | 74 | |

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., T ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day Part Cloudy Moon phase,
Average daily cloudiness (0-10), 5
Actual sunshine, hours, 13.3 Possible sunshine, hours, 15.1
Per cent of possible sunshine, 88
Prevailing wind direction, SW Total wind, 151
Average hourly velocity, 6.3 Extreme velocity, 12
Maximum velocity, 12 Direction, NE
Time began, 5:52 PM
Reduced barometer, 29.99 7 a. m. 30.02 7 p. m.
River gage, 0.9 feet
Relative humidity, 74 7 a. m. 40 7 p. m.

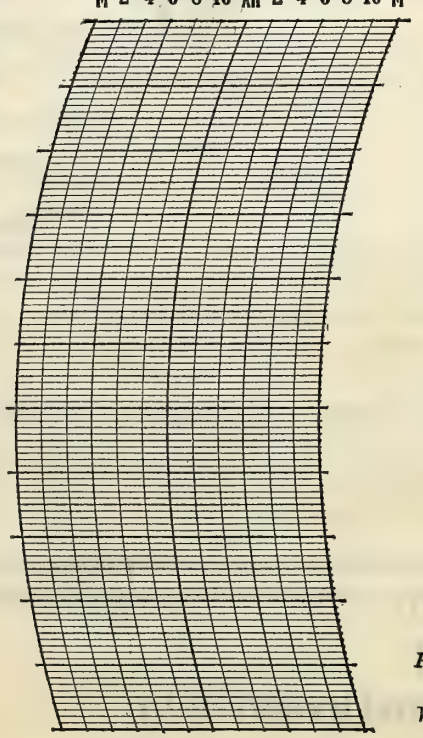
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 81.4 Wet temperature, 67.3
Dew-point, 60 R. humidity, 48 V. pressure, 5.17
Clouds: Amount, 6; Kind, Cu-St; Direction, NW
Velocity of clouds (miles per hour)

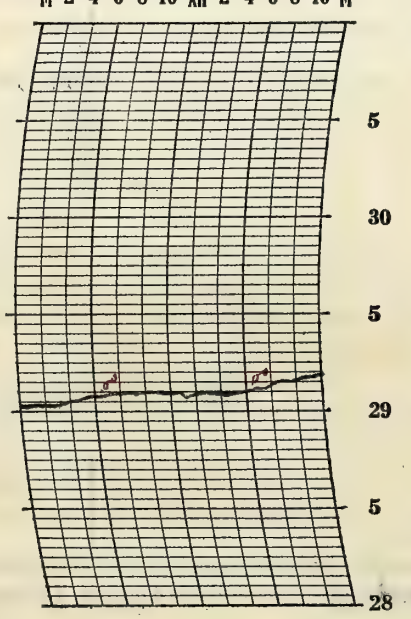
THERMOGRAPH




THERMOGRAPH




BAROGRAPH.




Prepared by R E L

Verified by L. C. S.

8—486

## NOTES

A solar halo was observed intermittently from 9.50 A.M. to 11.03 A.M. Lying conditions resultant.

Form No. 1014—Met'1

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Sunday, (Date) JUN 18 1933, 193

Time (local standard) 90 mer. normal time.

| | A.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Temperature at end of hour | 63 | 61 | 59 | 58 | 57 | 60 | 64 | 68 | 73 | 76 | 79 | 81 |
| State of weather. Nature of precipitation and time of beginning and ending | | | | | | | | | | | | |
| Amounts of precipitation | | | | | | | | | | | | |
| Cloudiness and other conditions | | | | ← | | | | | | | Clear | |
| Sunrise: Time, Character, 4:08 Clear. Moonrise: | | | | | | | | | | | | |
| Sunshine (in tenths of hours) | | | | | .87 0 | 1.0 0 | 0.1 0.9 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| Wind direction | E | E | E | E | E | E | E | E | SE | SE | SE | SE |
| Wind movement | 6 | 6 | 5 | 5 | 4 | 5 | 6 | 6 | 8 | 9 | 7 | 6 |
| Maximum velocities (exceeding 24 miles) direction and time | | | | | | | | | | | | |

| | P.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Temperature at end of hour | 85 | 86 | 89 | 90 | 90 | 89 | 88 | 85 | 81 | 78 | 74 | 72 |
| State of weather. Nature of precipitation and time of beginning and ending | | | | | | | | | | | | |
| Amounts of precipitation | | | | | | | | | | | | |
| Cloudiness and other conditions | | | | | | | | | → | | | |
| Sunset: Time, Character, 7:15 Clear. Moonset: | | | | | | | | | | | | |
| Sunshine (in tenths of hours) | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 0 | .25 0 | | | | |
| Wind direction | S | SE | S | SW | SW | W | W | W | W | W | NW | NW |
| Wind movement | 5 | 6 | 5 | 7 | 7 | 6 | 3 | 2 | 2 | 3 | 4 | 2 |

Wind data corrected to true velocity.

Excessive precipitation, accumulated amounts

| Total duration. From— | To— | Total amount of precipitation. | Excessive rate. Began— | Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | | | | | |

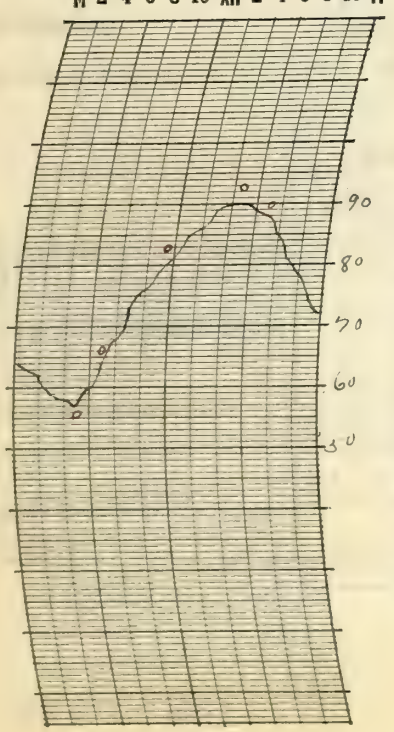
| Maximum Temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 90 | 57 | 74 | |

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Clear Moon phase,
Average daily cloudiness (0-10), Few
Actual sunshine, hours, 15.1 Possible sunshine, hours, 15.1
Per cent of possible sunshine, 100
Prevailing wind direction, E Total wind, 125
Average hourly velocity, 5.2 Extreme velocity, 10
Maximum velocity, 10 Direction, SE
Time began, 8:55 a.m.
Reduced barometer, 30.18 7 a. m. 30.03 7 p. m.
River gage, -0.2 feet
Relative humidity, 54 7 a. m. 37 7 p. m.

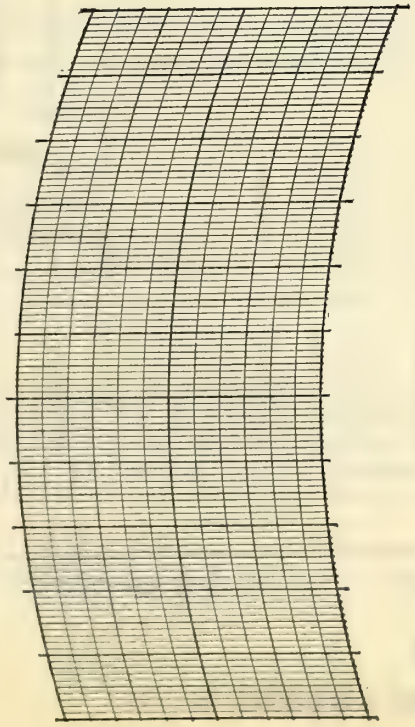
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 81.3 Wet temperature, 61.3
Dew-point, 47 R. humidity, 30 V. pressure, 322
Clouds: Amount, 0; Kind, —; Direction, —
Velocity of clouds (miles per hour)

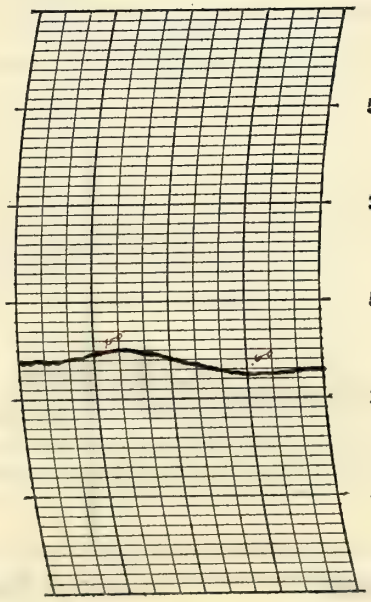
THERMOGRAPH




THERMOGRAPH




BAROGRAPH.




Prepared by R. E. L.

Verified by L. C. S.

8—486

## NOTES

Flying conditions excellent all day.

Form No. 1014—Met'1

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(Station) ~~Fort Wayne, Ind.~~, (Day of week) Monday, (Date) JUN 19 1933, 193

Time (local standard) 90 mer. normal time.

| | A.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Temperature at end of hour | 70 | 70 | 70 | 66 | 69 | 70 | 75 | 80 | 86 | 89 | 90 | 91 |
| State of weather: Nature of precipitation and time of beginning and ending | | | | | | | | | | | | |
| Amounts of precipitation | | | | | | | | | | | | |
| Cloudiness and other conditions | | | | | | | | | | | Clear | |
| Sunrise: Time, Character, 4:08 Clear; Moonrise: | | | | | | | | | | | | |
| Sunshine (in tenths of hours) | | | | | .8 7 0 | 0.5 0.5 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| Wind direction | NW | SW | SW | SW | SW | SW | W | W | NW | NW | W | NW |
| Wind movement | 3 | 4 | 4 | 3 | 3 | 5 | 5 | 5 | 6 | 10 | 11 | 9 |
| Maximum velocities (exceeding 24 miles) direction and time | | | | | | | | | | | | |

| | P.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Temperature at end of hour | 93 | 94 | 95 | 94 | 93 | 92 | 90 | 85 | 82 | 77 | 76 | 73 |
| State of weather: Nature of precipitation and time of beginning and ending | | | | | | | | | | | | |
| Amounts of precipitation | | | | | | | | | | | | |
| Cloudiness and other conditions | | | | | | | | | | | | |
| Sunset: Time, Character, 7:16 Clear; Moonset: | | | | | | | | | | | | |
| Sunshine (in tenths of hours) | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 0 | 2.7 0 | | | | |
| Wind direction | W | NW | NW | W | W | W | W | W | W | W | W | W |
| Wind movement | 11 | 12 | 11 | 11 | 12 | 9 | 7 | 4 | 2 | 3 | 2 | 3 |
| Maximum velocities (exceeding 24 miles) direction and time | | | | | | | | | | | | |

Wind data corrected to true velocity.

| Excessive precipitation, accumulated amounts | Total duration. From— | To— | Total amount of precipitation. | Excessive rate. Began— | Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | | | | | | |

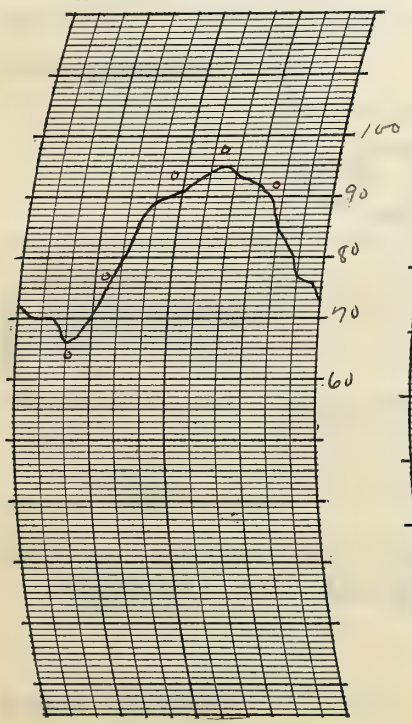
| Maximum Temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 95 | 66 | 80 | |

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Clear Moon phase,
Average daily cloudiness (0-10), Fair
Actual sunshine, hours, 15.1 Possible sunshine, hours, 15.1
Per cent of possible sunshine, 100
Prevailing wind direction, W Total wind, 155
Average hourly velocity, 6.5 Extreme velocity, 16
Maximum velocity, 15 Direction, NW
Time began, 1:29 P.M.
Reduced barometer, 30.09 7a. m, 30.00 7p. m.
River gage, -0.4 feet
Relative humidity, 55 7a. m. 28 7p. m.

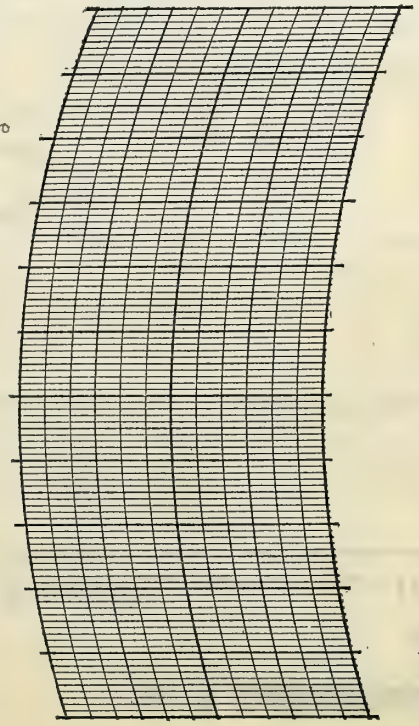
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 90.8 Wet temperature, 65.8
Dew-point, 50 R. humidity, 25 V. pressure, .360
Clouds: Amount, 7 cu; Kind, Ci; Direction, W
Velocity of clouds (miles per hour)

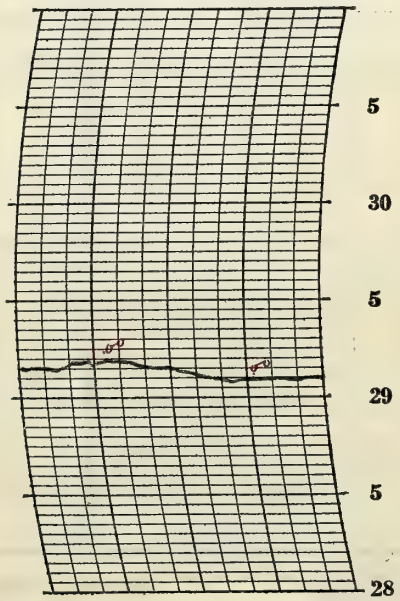
THERMOGRAPH




THERMOGRAPH




BAROGRAPH.




Prepared by L.C.S.

Verified by W.

8—436

## NOTES

7 lying conditions were excellent all day.

Form No. 1014—Met'1

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Tuesday, (Date) JUN 20 1933, 193

Time (local standard) 90 mer. normal time.

| | A.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 | P.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Temperature at end of hour | 72 | 70 | 70 | 66 | 67 | 70 | 74 | 83 | 87 | 89 | 91 | 91 | 92 | 94 | 95 | 94 | 94 | 94 | 92 | 87 | 84 | 82 | 79 | 77 |
| State of weather. Nature of precipitation and time of beginning and ending | | | | | | | | | | | | | | | | | | | | | | | | |
| Amounts of precipitation | | | | | | | | | | | | | | | | | | | | | | | | |
| Cloudiness and other conditions | | | | | | ← Clear → | | | | | | | | | | | | | | | | | | |
| Sunshine (in tenths of hours) | | | | | .85 0 | 0.4 0.6 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 0.8 0.2 | .27 0 | | | | |
| Wind direction | W | W | W | W | W | W | W | W | W | W | W | W | NW | W | NW | W | W | W | W | W | W | W | W | W |
| Wind movement | 3 | 5 | 4 | 4 | 4 | 5 | 6 | 9 | 12 | 11 | 10 | 11 | 12 | 12 | 12 | 11 | 10 | 9 | 5 | 6 | 7 | 7 | 7 | 7 |
| Maximum velocities (exceeding 24 miles) direction and time | | | | | | | | | | | | | | | | | | | | | | | | |

Sunrise: Time, 4:09 Character, Clear
Moonrise:
Sunset: Time, 7:16 Character, Clear
Moonset:

Wind data corrected to true velocity.

Excessive precipitation, accumulated amounts

| Total duration. From— | To— | Total amount of precipitation. | Excessive rate. Began— | Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | | | | | |

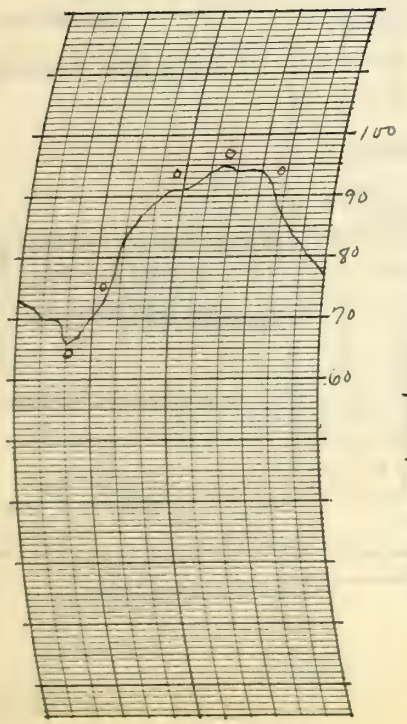
| Maximum Temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 95 | 66 | 80 | |

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Clear Moon phase,
Average daily cloudiness (0-10), 0
Actual sunshine, hours, 15.1 Possible sunshine, hours, 15.1
Per cent of possible sunshine, 100
Prevailing wind direction, W Total wind, 189
Average hourly velocity, 7.9 Extreme velocity, 18
Maximum velocity, 16 Direction, W
Time began, 12:39 P.M.
Reduced barometer, 30.04 7 a. m. 29.90 7 p. m.
River gage, −0.8 feet
Relative humidity, 55 7 a. m. 28 7 p. m.

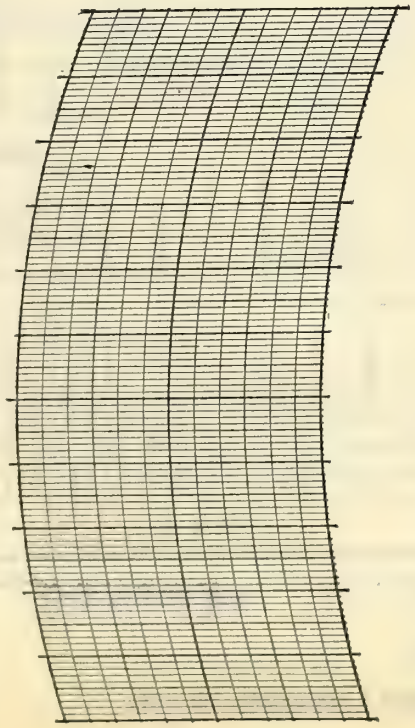
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 91.0 Wet temperature, 65.7
Dew-point, 49 R. humidity, 24 V. pressure, 347
Clouds: Amount, 0; Kind, 0; Direction, 0
Velocity of clouds (miles per hour)

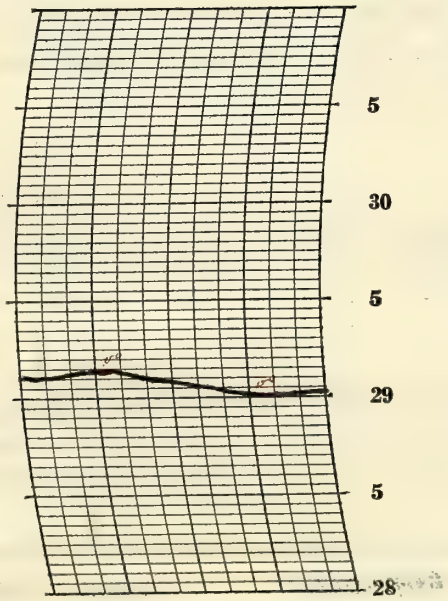
THERMOGRAPH




THERMOGRAPH




BAROGRAPH.




Prepared by L C S

Verified by

8—486

## NOTES

Flying conditions were excellent all day.

Form No. 1014—Met'l

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Wednesday, (Date) JUN 21 1933, 193

Time (local standard) 90 mer. normal time.

| | A.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 | P.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Temperature at end of hour | 76 | 74 | 72 | 71 | 70 | 72 | 76 | 82 | 88 | 91 | 93 | 94 | 96 | 97 | 97 | 95 | 92 | 86 | 79 | 78 | 77 | 76 | 75 | 74 |
| State of weather: Nature of precipitation and time of beginning and ending | | | | | | | | | | | | | | | | | | | | | | RB 9:05 RE 9:40 | | |
| State of weather: Amounts of precipitation | | | | | | | | | | | | | | | | | | | | | | T | | |
| State of weather: Cloudiness and other conditions | | | | | | ← | | | | | Clear | | | | | | x Clear | x | Cloudy | | | x Pt Cldy | x Clear → | |
| Sunshine (in tenths of hours) | | | | | .5 0 | 0.7 0.3 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 0.8 | 0.4 | 0 | 0 | | | | |
| Wind direction | W | SW | SW | SW | SW | SW | SW | W | W | W | W | W | W | W | W | W | NW | NW | N | N | N | N | N | N |
| Wind movement | 6 | 8 | 7 | 8 | 8 | 8 | 8 | 9 | 11 | 14 | 15 | 14 | 15 | 15 | 16 | 14 | 13 | 15 | 12 | 8 | 6 | 4 | 4 | 4 |

Sunrise: Time, 4:09 Character, Clear. Moonrise:

Sunset: Time, 7:16 Character, Cloudy. Moonset:

Maximum Temperature: 97 | Minimum temperature: 70 | Mean temperature: 84 | Normal temperature:

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, T inches.
Character of day, Clear Moon phase,
Average daily cloudiness (0-10), 2
Actual sunshine, hours, 13.0 Possible sunshine, hours, 15.1
Per cent of possible sunshine, 86
Prevailing wind direction, W Total wind, 242
Average hourly velocity, 10.1 Extreme velocity, 21
Maximum velocity, 20 Direction, W
Time began, 12:26 P.m.
Reduced barometer, 29.90 7 a. m. 29.88 7 p. m.
River gage, +0.9 feet
Relative humidity, 54 7 a. m. 57 7 p. m.

Wind data corrected to true velocity.

Maximum velocities (exceeding 24 miles) direction and time

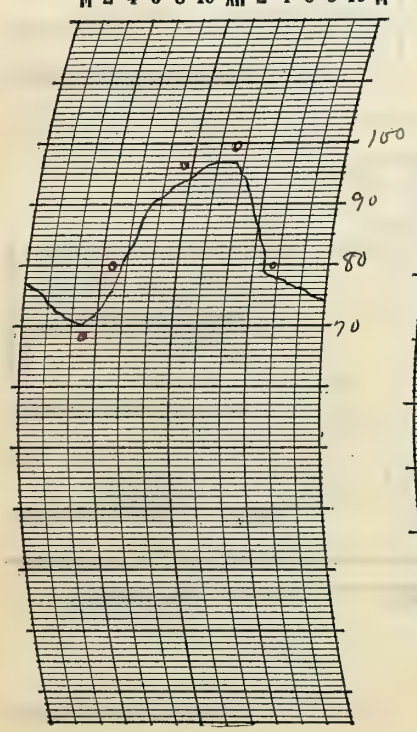
| Total duration. From— | To— | Total amount of precipitation. | Excessive rate. Began— | Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | | | | | |

Excessive precipitation, accumulated amounts

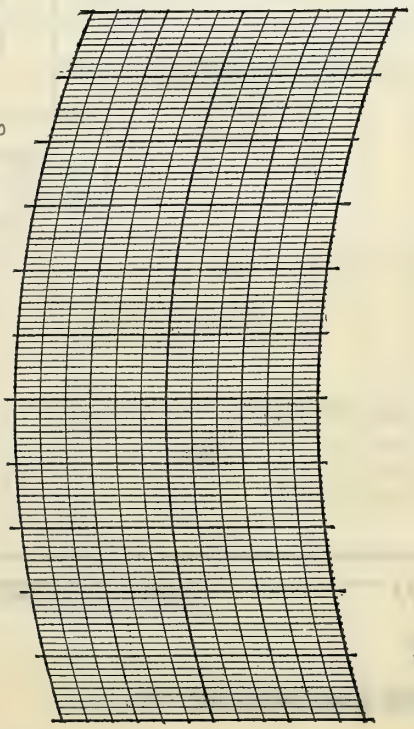
OBSERVATIONS AT 12 NOON. (Local Mean Time.)

Dry temperature, 94.0 Wet temperature, 67.0
Dew-point, 50 R. humidity, 23 V. pressure, .360
Clouds: Amount, 7 cu; Kind, cu; Direction, W
Velocity of clouds (miles per hour)

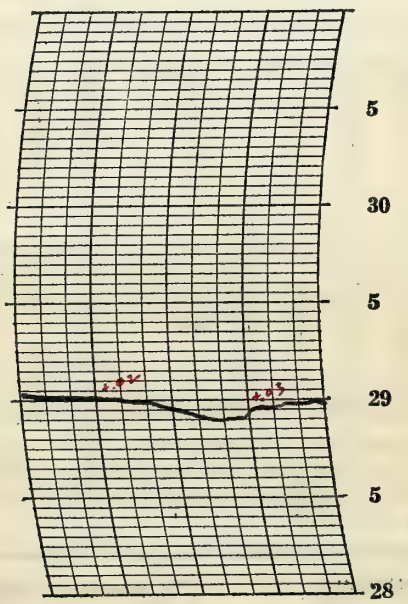
THERMOGRAPH




THERMOGRAPH




BAROGRAPH.




Prepared by C. C. S.

Verified by W.

8—486

## NOTES

A very light thunderstorm moved from Northwest to Southeast from 9:30 P.M. to 10:30 P.M. No damage reported. Flying conditions were excellent all day. Summer began at 3:12 P.M. (C.S.T.)

Form No. 1014—Met'1

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Thursday, (Date) JUN 22 1933, 193

| Time (local standard) 90 mer. normal time. | A.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 | P.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Temperature at end of hour | 72 | 70 | 68 | 67 | 67 | 68 | 69 | 69 | 69 | 72 | 76 | 80 | 82 | 83 | 86 | 84 | 86 | 84 | 81 | 77 | 74 | 72 | 70 | 68 |
| State of weather. Nature of precipitation and time of beginning and ending | | | | | | | | | | | | | | | | | | | | | | | | |
| Amounts of precipitation | | | | | | | | | | | | | | | | | | | | | | | | |
| Cloudiness and other conditions | | | | | | ← Cloudy | | | | → P+Cloudy | | | × | | | ← Clear | | | | | → | | | |
| Sunshine (in tenths of hours) | | | | | 0 | 0.4 | 0.3 | 0 | 0 | 0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 0.9 | .27 | | | | |
| Wind direction | N | N | N | N | N | N | NE | NE | NE | NE | NE | NE | NE | NE | NE | NE | NE | NE | E | E | E | E | E | E |
| Wind movement | 3 | 6 | 5 | 5 | 6 | 6 | 9 | 9 | 9 | 8 | 7 | 7 | 8 | 7 | 9 | 8 | 8 | 9 | 8 | 9 | 9 | 8 | 6 | 5 |
| Maximum velocities (exceeding 24 miles) direction and time | | | | | | | | | | | | | | | | | | | | | | | | |

Sunrise: Time, 4:09 Character, Cloudy
Moonrise:

Sunset: Time, 7:16 Character, Clear
Moonset:

Wind data corrected to true velocity.

Excessive precipitation, accumulated amounts

| Total duration. From— | To— | Total amount of precipitation. | Excessive rate. Began— | Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | | | | | |

| Maximum Temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 86 | 67 | 76 | |

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., T ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, P+Cloudy Moon phase,
Average daily cloudiness (0-10), 5
Actual sunshine, hours, 10.0 Possible sunshine, hours, 15.1
Per cent of possible sunshine, 66
Prevailing wind direction, NE Total wind, 174
Average hourly velocity, 7.2 Extreme velocity, 11
Maximum velocity, 11 Direction, NE
Time began, 7:06 a.m.
Reduced barometer, 29.96 7 a. m. 29.92 7 p. m.
River gage, 0.7 feet
Relative humidity, 86 7 a. m. 44 7 p. m.

OBSERVATIONS AT 12 NOON.
(Local Mean Time.)
Dry temperature, 79.8 Wet temperature, 68.8
Dew-point, 64 R. humidity, 57 V. pressure, .595
Clouds: Amount, 5; Kind, acu; Direction, N
Velocity of clouds (miles per hour)

THERMOGRAPH
M 2 4 6 8 10 XII 2 4 6 8 10 M
100 90 80 70 60

THERMOGRAPH
M 2 4 6 8 10 XII 2 4 6 8 10 M

BAROGRAPH.
M 2 4 6 8 10 XII 2 4 6 8 10 M
5 30 5 29 5 28

Prepared by P. C. S.
Verified by

8—486

## NOTES

Flying Conditions Were excellent all day.

Form No. 1014—Met'l

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Friday, (Date) JUN 23 1933, 193

Time (local standard) 90 mer. normal time.

| | A.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 | P.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Temperature at end of hour | 66 | 65 | 63 | 61 | 60 | 63 | 68 | 73 | 76 | 79 | 82 | 83 | 85 | 86 | 88 | 88 | 88 | 87 | 83 | 78 | 76 | 73 | 71 | 70 |
| State of weather. Nature of precipitation and time of beginning and ending | | | | | | | | | | | | | | | | | | | | | | | | |
| Amounts of precipitation | | | | | | | | | | | | | | | | | | | | | | | | |
| Cloudiness and other conditions | | | | | | ← | | | | | Clear | | → | | | | | | | | | | | |
| Sunshine (in tenths of hours) | | | | | .85 0 | 0.4 0.6 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 0.3 0.7 | 1.0 0 | .28 0 | | | | |
| Wind direction | E | E | E | E | E | E | NE | E | E | E | E | E | E | SE | SE | SE | SE | E | NE | NE | E | E | E | E |
| Wind movement | 5 | 5 | 6 | 5 | 4 | 6 | 7 | 10 | 12 | 10 | 12 | 12 | 10 | 10 | 10 | 9 | 9 | 9 | 9 | 9 | 8 | 9 | 9 | 8 |
| Maximum velocities (exceeding 24 miles) direction and time | | | | | | | | | | | | | | | | | | | | | | | | |

Sunrise: Time, 4:09 Character, Clear
Moonrise:
Sunset: Time, 7:17 Character, Clear
Moonset:

Wind data corrected to true velocity.

| Total duration. From— | To— | Total amount of precipitation. | Excessive rate. Began— | Ended— | Amount before excessive began. |
|---|---|---|---|---|---|
| | | | | | |

Excessive precipitation, accumulated amounts

Accumulated depths during excessive rate, for consecutive periods of time indicated below.

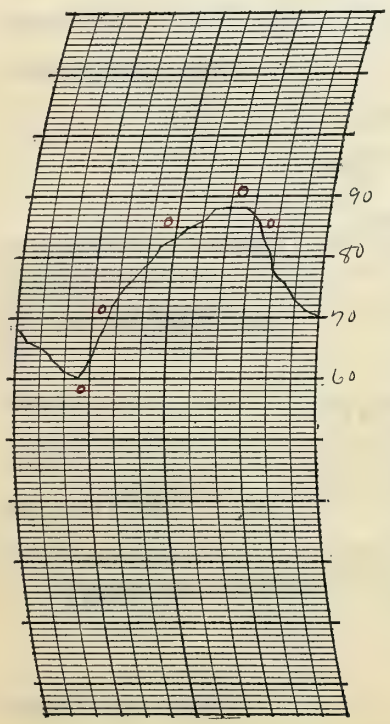
| 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | |

| Maximum Temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 88 | 60 | 74 | |

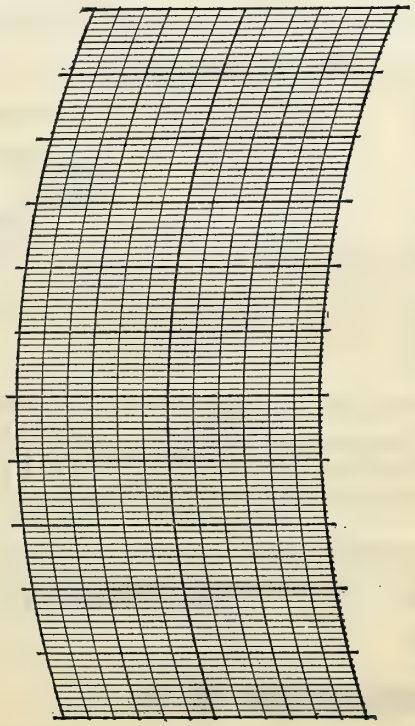
Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Clear Moon phase,
Average daily cloudiness (0-10), 7 ew
Actual sunshine, hours, 15.1 Possible sunshine, hours, 15.1
Per cent of possible sunshine, 100
Prevailing wind direction, E Total wind, 203
Average hourly velocity, 8.5 Extreme velocity, 17
Maximum velocity, 15 Direction, E
Time began, 11:02 a.m.
Reduced barometer, 30.037 a. m. 29.92 7 p. m.
River gage, 0.5 feet
Relative humidity, 65 7 a. m. 33 7 p. m.

OBSERVATIONS AT 12 NOON.
(Local Mean Time.)
Dry temperature, 82.7 Wet temperature, 62.7
Dew-point, 49 R. humidity, 31 V. pressure, 347
Clouds: Amount, 0; Kind, 0; Direction, 0
Velocity of clouds (miles per hour)

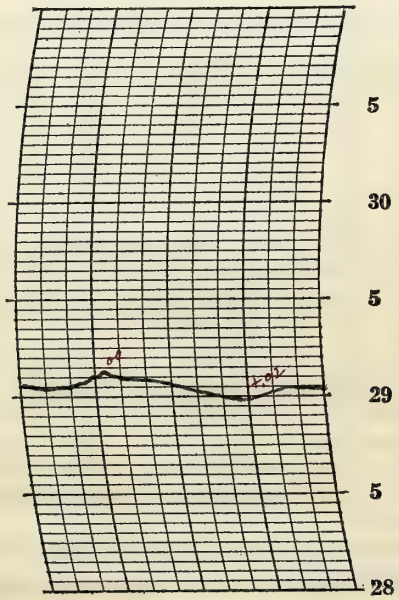
THERMOGRAPH




THERMOGRAPH




BAROGRAPH.




Prepared by E.C.S.

Verified by

8—486

## NOTES

Flying conditions were excellent all day. State air tour arrived in city about 4:00 pm. There are forty ships in the tour. They expect to take off for Portland Indiana at 10 o'clock tomorrow Morning

Form No. 1014—Met'1

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Saturday, (Date) JUN 24 1933, 193

| Time (local standard) 90 mer. normal time. | A.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 | P.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Temperature at end of hour | 69 | 67 | 66 | 65 | 64 | 66 | 68 | 73 | 80 | 85 | 88 | 89 | 91 | 92 | 93 | 92 | 87 | 85 | 85 | 84 | 83 | 81 | 80 | 77 |
| State of weather. Nature of precipitation and time of beginning and ending | | | | | | | | | | | | | | | | | | | | | | | | |
| Amounts of precipitation | | | | | | | | | | | | | | | | | | | | | | | | |
| Cloudiness and other conditions | | | | | | P. Cldy | | x Clear | | x Pt Cldy | | | x Cloudy | | | | | | x Pt. Cloudy | | | | | |
| Sunrise: Time, 4:10 Character, Cloudy Moonrise: | | | | | | | | | | | | | | | | | | | | | Sunset: Time, 7:17 Character, Cloudy Moonset: | | | |
| Sunshine (in tenths of hours) | | | | | 0 | 0 | 0 | 0.7 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 0.2 | 0 | 0 | 0 | | | | |
| Wind direction | E | E | E | E | E | E | E | SE | S | S | S | W | W | W | W | W | W | NE | NE | NE | NE | NE | NE | NE |
| Wind movement | 7 | 7 | 6 | 5 | 5 | 5 | 6 | 8 | 9 | 9 | 8 | 7 | 7 | 7 | 9 | 8 | 6 | 5 | 3 | 2 | 3 | 5 | 3 | 8 |
| Maximum velocities (exceeding 24 miles) direction and time | | | | | | | | | | | | | | | | | | | | | | | | |

Wind data corrected to true velocity.

| Excessive precipitation, accumulated amounts | Total duration. From— | To— | Total amount of precipitation. | Excessive rate. Began— | Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | | | | | | |

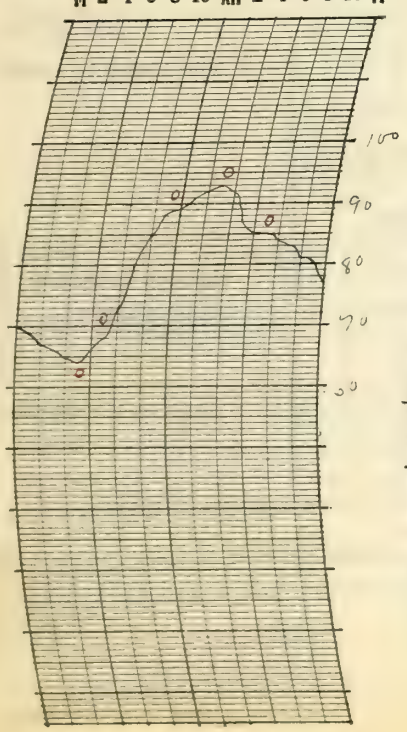
| Maximum Temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 93 | 64 | 78 | |

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Pt Cloudy Moon phase,
Average daily cloudiness (0-10) 6
Actual sunshine, hours, 8.9 Possible sunshine, hours, 15.1
Per cent of possible sunshine, 59
Prevailing wind direction, NE & E Total wind, 148
Average hourly velocity, 6.2 Extreme velocity, 12
Maximum velocity, 12 Direction, E
Time began, 11:47 P.m.
Reduced barometer, 29.95 7 a. m. 29.87 7 p. m.
River gage, 0.4 feet
Relative humidity, 59 7 a. m. 50 7 p. m.

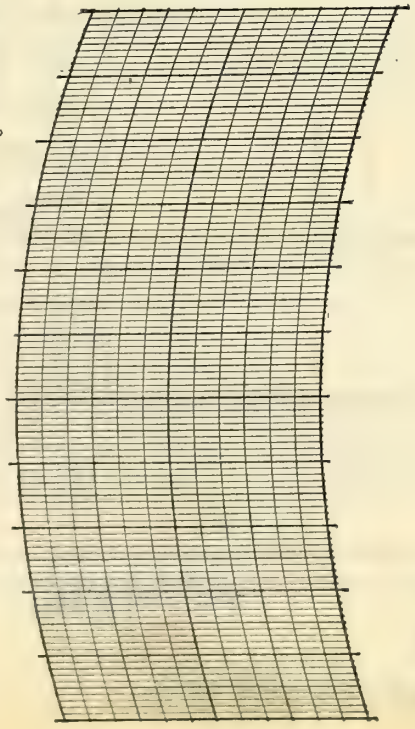
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 89.0 Wet temperature, 70.0
Dew-point, 60 R. humidity, 38 V. pressure, .517
Clouds: Amount, 6; Kind, Cu; Direction, SW
Velocity of clouds (miles per hour)

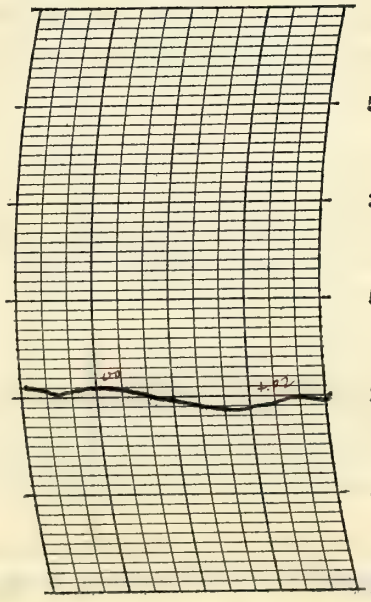
THERMOGRAPH




THERMOGRAPH




BAROGRAPH.




Prepared by L. C. S.

Verified by W.

8—486

## NOTES

Thunder was heard in the North from 3:50 P.M. to 4:10 P.M.
Flying conditions were excellent.
State air tours took off for Portland about 10:30 this morning. Flying Weather from Chicago airport was relayed through this office to the local field.

Form No. 1014—Met'1

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Sunday, (Date) JUN 25 1933, 193

Time (local standard) 90 mer. normal time.

| | A.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 | P.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Temperature at end of hour | 76 | 75 | 73 | 72 | 72 | 73 | 76 | 78 | 81 | 85 | 89 | 90 | 92 | 68 | 71 | 74 | 73 | 73 | 74 | 74 | 72 | 72 | 72 | 72 |
| State of weather. Nature of precipitation and time of beginning and ending | | | | | | | | | | | | | | RB 1:00 RE 1:20 | RB 2:05 | RE 3:30 | RB 4:14 RE 4:20 | | | | | | | |
| Amounts of precipitation | | | | | | | | | | | | | | .19 | .06 | .02 | T | | | | | | | |
| Cloudiness and other conditions | | | | | | ← Cloudy | | → Pt Cldy | | | | | X Cloudy | | | | | | | Pt Cldy → Clear | | | | |
| Sunshine (in tenths of hours) | | | | | 0 | 0 | 0.1 | 0.7 | 0.8 | 1.0 | 1.0 | 1.0 | 0.9 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | |
| Wind direction | S | S | S | S | S | S | SW | SW | W | W | W | W | W | E | NW | NW | E | S | SE | SE | S | S | S | S |
| Wind movement | 9 | 9 | 8 | 9 | 9 | 9 | 9 | 10 | 9 | 8 | 5 | 6 | 8 | 12 | 17 | 5 | 8 | 7 | 6 | 7 | 5 | 5 | 4 | 4 |
| Maximum velocities (exceeding 24 miles) direction and time | | | | | | | | | | | | | | 28 NW 1:02 | | | | | | | | | | |

Sunrise: Time, 4:10 Character, Cloudy. Moonrise:

Sunset: Time, 7:17 Character, Cloudy. Moonset:

Wind data corrected to true velocity.

| Total duration. From— | To— | Total amount of precipitation. | Excessive rate. Began— | Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | | | | | |

Excessive precipitation, accumulated amounts

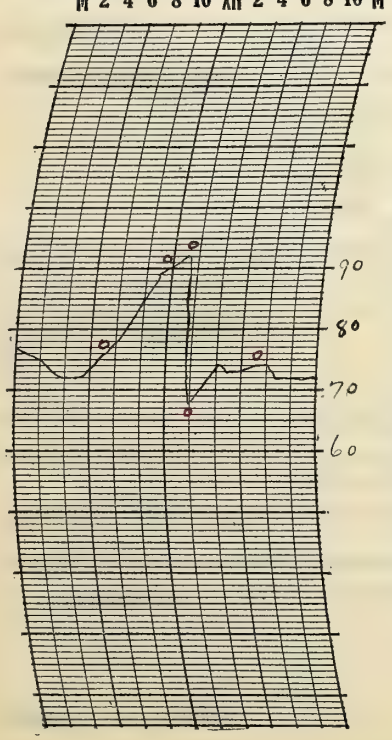
| Maximum Temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 92 | 68 | 80 | |

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., .27 ins.
Total precipitation, midnight to midnight, 0.27 inches.
Character of day, Cloudy Moon phase,
Average daily cloudiness (0-10), 8
Actual sunshine, hours, 5.5 Possible sunshine, hours, 15.1
Per cent of possible sunshine, 36
Prevailing wind direction, S Total wind, 188
Average hourly velocity, 7.8 Extreme velocity, 32
Maximum velocity, 28 Direction, NW
Time began, 1:02 P m
Reduced barometer, 29.94 7 a. m. 29.93 7 p. m.
River gage, 0.2 feet
Relative humidity, 74 7 a. m. 82 7 p. m.

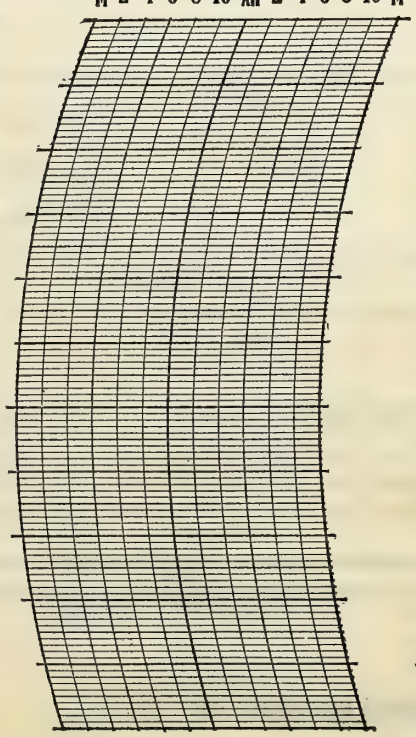
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 90.1 Wet temperature, 72.1
Dew-point, 64 R. humidity, 42 V. pressure, 29.95
Clouds: Amount, 3/2; Kind, Cu/Cu; Direction, SW/SW
Velocity of clouds (miles per hour)

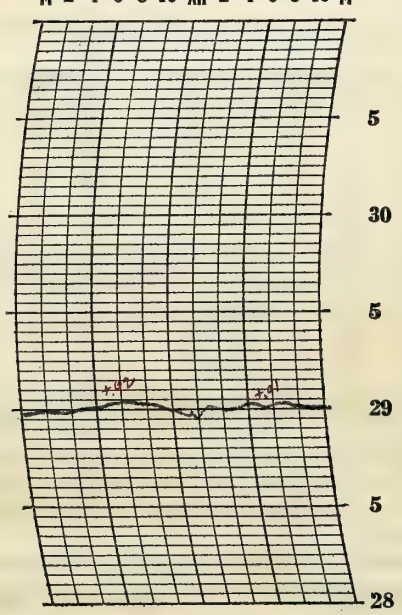
THERMOGRAPH




THERMOGRAPH




BAROGRAPH.




Prepared by L. C. S.

Verified by W.

8—486

## NOTES

Thunder first heard 1:02 P M last 3:10 P M mostly of moderate intensity. Squalls first appeared in West Southwest Thunder shower developing directly over station. Some damage to trees & some interruption of traction system from broken lines.

Flying conditions were excellent, except during time of thunderstorm.

Form No. 1014—Met'1

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Monday, (Date) JUN 26 1933, 193

Time (local standard) 90 mer. normal time.

| | A.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 | P.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Temperature at end of hour | 70 | 70 | 70 | 70 | 70 | 70 | 72 | 76 | 79 | 81 | 84 | 83 | 86 | 88 | 88 | 89 | 90 | 89 | 88 | 85 | 83 | 79 | 77 | 77 |
| State of weather. Nature of precipitation and time of beginning and ending | RB DNA RE DNA | | | | | | | | | | | | | | | | | | | | | | | |
| Amounts of precipitation | .02 | | | | | | | | | | | | | | | | | | | | | | | |
| Cloudiness and other conditions | | | | | + Pt Cloudy | | × Clear | | | — × Pt Cldy | | | | | × Clear | | | | | | | | | |
| Sunshine (in tenths of hours) | | | | | 0 | 0 | 0.5 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 0.8 0.2 | 2.8 0 | | | | |
| Wind direction | S | S | S | S | S | S | SW | W | W | NW | NW | NW | NW | N | NW | N | N | NE | NE | NE | NE | NE | NE | NE |
| Wind movement | 5 | 5 | 3 | 5 | 3 | 7 | 6 | 8 | 8 | 8 | 7 | 7 | 7 | 6 | 9 | 9 | 7 | 6 | 3 | 2 | 5 | 4 | 4 | 3 |
| Maximum velocities (exceeding 24 miles) direction and time | | | | | | | | | | | | | | | | | | | | | | | | |

Sunrise: Time, 4:10 Character, Cloudy

Moonrise:

Sunset: Time, 7:17 Character, Clear

Moonset:

Wind data corrected to true velocity.

| Total duration. From— | To— | Total amount of precipitation. | Excessive rate. Began— | Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | | | | | |

Excessive precipitation, accumulated amounts

| Maximum Temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 90 | 70 | 80 | |

Total depth of snow for 24 hours ending 7 p. m., 0 inches.

Snow, sleet, and hail on ground 7 p. m., 0 inches.

Total snowfall, midnight to midnight, 0 inches.

Precipitation to 7 a. m., .02 ins.; to 7 p. m., 0 ins.

Total precipitation, midnight to midnight, .02 inches.

Character of day, Clear Moon phase,

Average daily cloudiness (0-10), 3

Actual sunshine, hours, 12.8 Possible sunshine, hours, 15.1

Per cent of possible sunshine, 85

Prevailing wind direction, NE Total wind, 137

Average hourly velocity, 5.7 Extreme velocity, 10

Maximum velocity, 10 Direction, NW

Time began, 2:58 P.M.

Reduced barometer, 29.93 7 a. m. 29.89 7 p. m.

River gage, 1.0 feet

Relative humidity, 89 7 a. m. 45 7 p. m.

OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

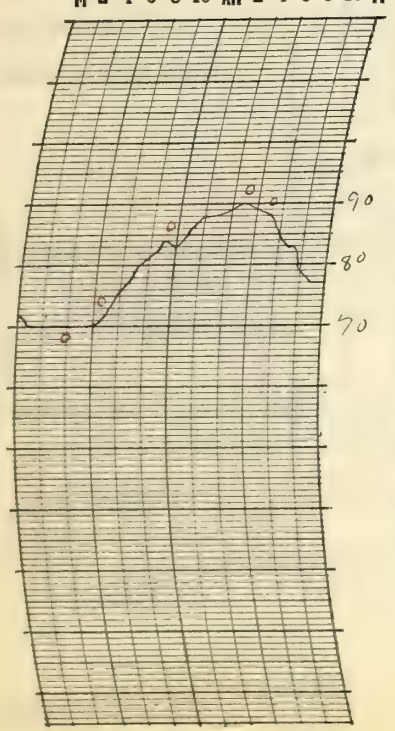
Dry temperature, 83.2 Wet temperature, 71.2

Dew-point, 65, R. humidity, 56 a Cu V. pressure, 616

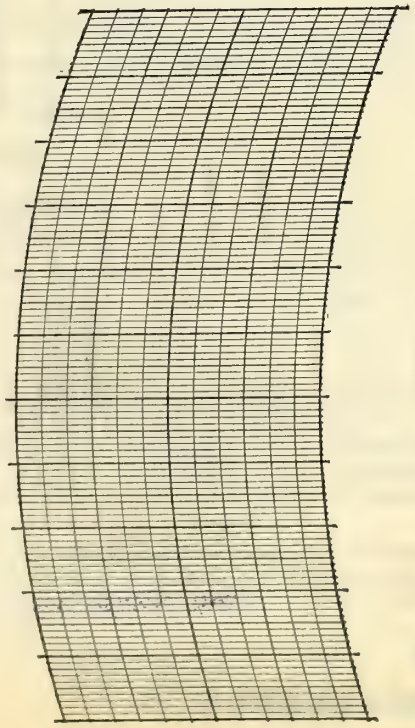
Clouds: Amount, 3; Kind, Cu; Direction, NW

Velocity of clouds (miles per hour)

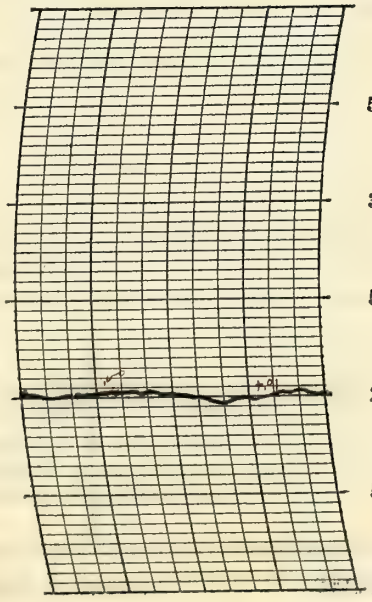
THERMOGRAPH




THERMOGRAPH




BAROGRAPH.




Prepared by L. C. A.

Verified by O. J.

8—486

## NOTES

Flying conditions were excellent all day

Form No. 1014—Met'l

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Tuesday, (Date) JUN 27 1933, 193

Time (local standard) 90 mer. normal time.

| | A.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 | P.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Temperature at end of hour | 76 | 74 | 72 | 71 | 71 | 75 | 77 | 83 | 87 | 90 | 93 | 94 | 95 | 96 | 97 | 97 | 97 | 97 | 94 | 90 | 87 | 86 | 84 | 83 |
| State of weather. Nature of precipitation and time of beginning and ending | | | | | | | | | | | | | | | | | | | | | | | | |
| Amounts of precipitation | | | | | | | | | | | | | | | | | | | | | | | | |
| Cloudiness and other conditions | | | | | | ← | | | | | | Clear | | | | | × | | 0+ Cldy | → | | | | |
| Sunshine (in tenths of hours) | | | | | .82 0 | 0.5 0.5 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 0.9 | 0.9 | 0 | 0 | | | | |
| Wind direction | 0 | NE | NE | SW | SW | W | SW | SW | S | S | W | SW | S | W | W | W | W | W | NW | NW | E | SE | SE | SE |
| Wind movement | 1 | 2 | 5 | 4 | 3 | 2 | 8 | 7 | 7 | 7 | 7 | 5 | 8 | 9 | 9 | 7 | 7 | 6 | 4 | 5 | 7 | 10 | 7 | 4 |
| Maximum velocities (exceeding 24 miles) direction and time | | | | | | | | | | | | | | | | | | | | | | | | |

Sunrise: Time, 4:11 Character, Clear
Moonrise:
Sunset: Time, 7:17 Character, Cloudy
Moonset:

| Maximum Temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 97 | 71 | 84 | |

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Clear Moon phase,
Average daily cloudiness (0-10), 2
Actual sunshine, hours, 13.6 Possible sunshine, hours, 15.1
Per cent of possible sunshine, 90
Prevailing wind direction, W Total wind, 141
Average hourly velocity, 5.9 Extreme velocity, 12
Maximum velocity, 12 Direction, S
Time began, 12:43 P.M.
Reduced barometer, 29.97 7 a. m. 29.92 7 p. m.
River gage, 1.4 feet
Relative humidity, 71 7 a. m. 29 7 p. m.

Wind data corrected to true velocity.

| Total duration. From— | To— | Total amount of precipitation. | Excessive rate. Began— | Ended— | Amount before excessive began. |
|---|---|---|---|---|---|
| | | | | | |

Accumulated depths during excessive rate, for consecutive periods of time indicated below.

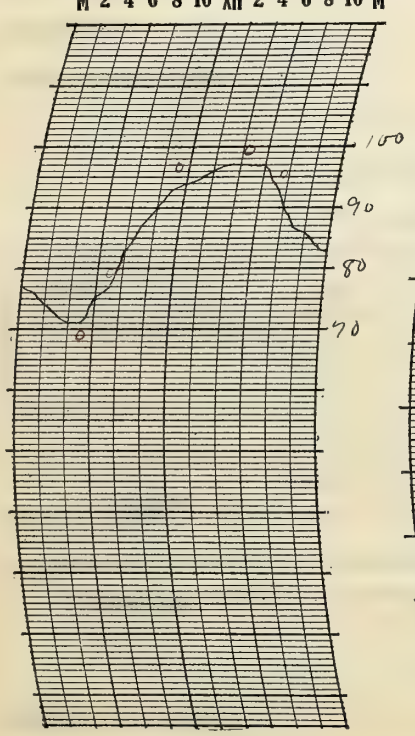
| 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | |

Excessive precipitation, accumulated amounts

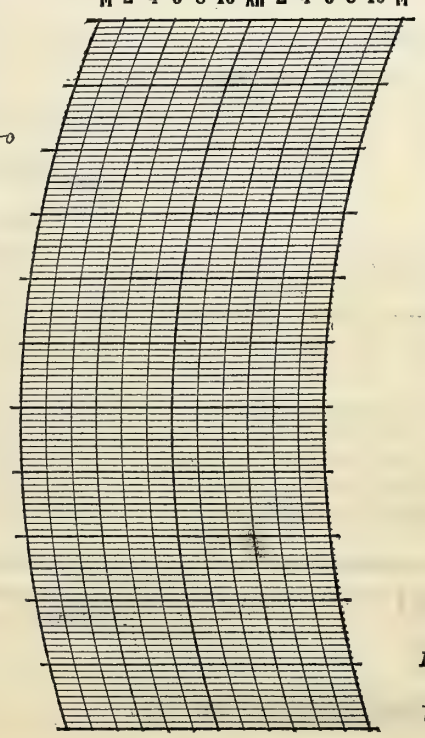
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 93.8 Wet temperature, 70.6
Dew-point, 58 R. humidity, 31 V. pressure, 482
Clouds: Amount, 2; Kind, Cu Cu; Direction, SW
Velocity of clouds (miles per hour)

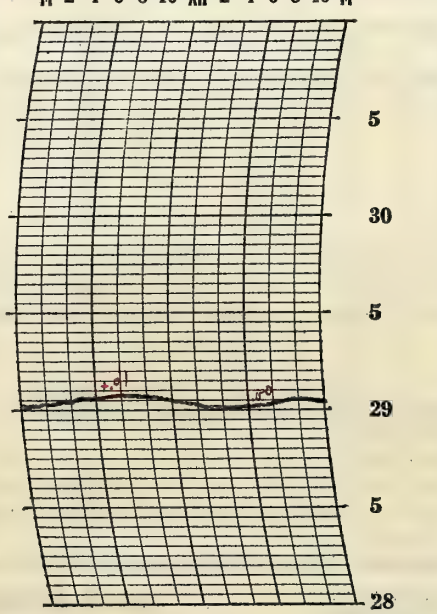
THERMOGRAPH




THERMOGRAPH




BAROGRAPH.




Prepared by L. C. S.

Verified by

8—486

## NOTES

Day was very sultry. Flying conditions were excellent all day.

Form No. 1014—Met'1

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Wednesday, (Date) JUN 28 1933, 193

Time (local standard) 90 mer. normal time.

| | A.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 | P.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Temperature at end of hour | 80 | 80 | 77 | 75 | 74 | 75 | 77 | 85 | 88 | 91 | 94 | 95 | 96 92 RB 12.55 | 84 AE 1:10 | 92 | 89 | 86 | 83 | 82 | 81 | 81 | 80 | 79 | 78 |
| State of weather. Nature of precipitation and time of beginning and ending | | | | | | | | | | | | | T | T | | | | | | | | | | |
| Amounts of precipitation | | | | | | | | | | | | | | | | | | | | | | | | |
| Cloudiness and other conditions | | | | | | ← | | | P+Cloudy | | → | | Cloudy | | | | | | | → | | | | |
| Sunshine (in tenths of hours) | | | | | 0 | 0 | 0.4 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 0.3 | 0 | 0.6 | 0.3 | 0.9 | 0.2 | 0 | 0 | | | | |
| Wind direction | SE | SE | SE | SE | SE | SE | S | W | W | W | W | W | W | NW | NW | NW | N | NE | NE | NE | NE | NE | NE | NE |
| Wind movement | 3 | 2 | 3 | 4 | 3 | 5 | 6 | 7 | 9 | 8 | 8 | 9 | 8 | 9 | 5 | 7 | 9 | 9 | 7 | 4 | 4 | 4 | 3 | 3 |

Sunrise: Time, 4:11 Character, Cloudy. Moonrise:

Sunset: Time, 7:17 Character, Cloudy. Moonset:

Maximum velocities (exceeding 24 miles) direction and time

Wind data corrected to true velocity.

| Total duration. From— | To— | Total amount of precipitation. | Excessive rate. Began— | Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | | | | | |

Excessive precipitation, accumulated amounts

| Maximum Temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 96 | 74 | 85 | |

Total depth of snow for 24 hours ending 7 p. m., 0 inches.

Snow, sleet, and hail on ground 7 p. m., 0 inches.

Total snowfall, midnight to midnight, 0 inches.

Precipitation to 7 a. m., 0 ins.; to 7 p. m., T ins.

Total precipitation, midnight to midnight, T inches.

Character of day, P+Cloudy Moon phase,

Average daily cloudiness (0-10) 7

Actual sunshine, hours, 7.7 Possible sunshine, hours, 15.1

Per cent of possible sunshine, 51

Prevailing wind direction, NE Total wind, 139

Average hourly velocity, 5.8 Extreme velocity, 15

Maximum velocity, 15 Direction, NW

Time began, 1:30 PM

Reduced barometer, 29.97 7 a. m. 29.96 7 p. m.

River gage, -0.2 feet

Relative humidity, 73 7 a. m. 60 7 p. m.

OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

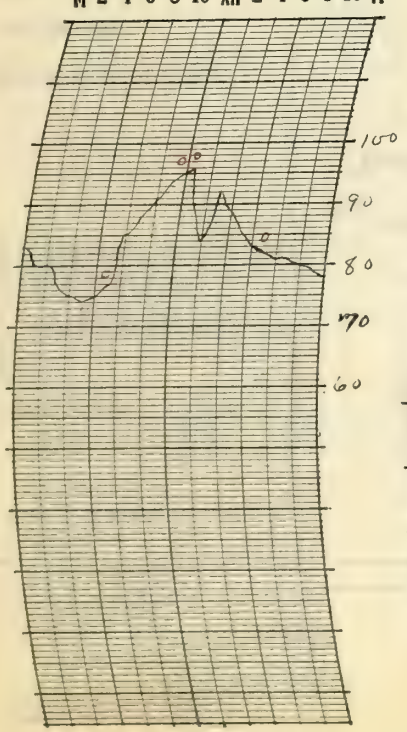
Dry temperature, 95.0 Wet temperature, 74.1

Dew-point, 65 R. humidity, 37 V. pressure, 6.16

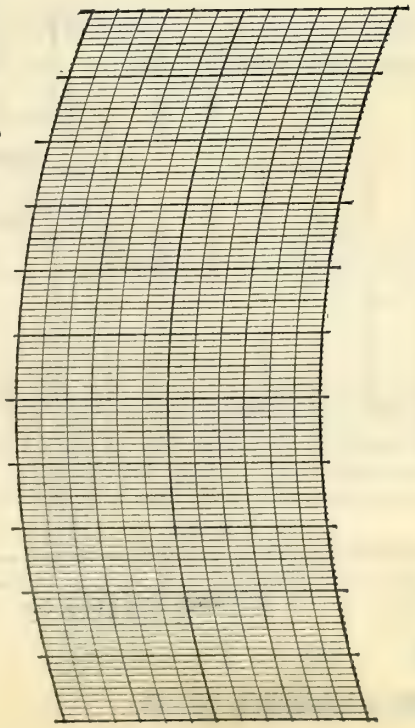
Clouds: Amount, 7 (a cu); Kind, Cu (W); Direction, W

Velocity of clouds (miles per hour)

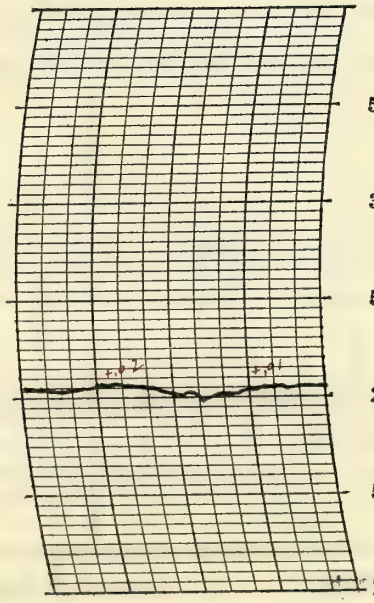
THERMOGRAPH




THERMOGRAPH




BAROGRAPH.




Prepared by L. C. S.

Verified by

8—486

## NOTES

a very light thunderstorm occurred from 12:50 PM to 1:30 PM, moving from Northwest to Southeast no damage reported Day was good for flying

Form No. 1014—Met'1

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(Station) Fort Wayne Ind., (Day of week) Thursday, (Date) JUN 29 1933, 193

Time (local standard) 90 mer. normal time.

| | A.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 | P.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Temperature at end of hour | 77 | 76 | 75 | 74 | 72 | 75 | 76 | 79 | 82 | 86 | 88 | 90 | 94 | 79 | 78 | 84 | 84 | 81 | 80 | 80 | 80 | 80 | 80 | 81 |
| State of weather. Nature of precipitation and time of beginning and ending | | | | | | | | | | | | | | | RB 2:00 RL 1:30 | | | | | | | | | RB DNP RL DNP |
| Amounts of precipitation | | | | | | | | | | | | | | | .01 | | | | | | | | | T |
| Cloudiness and other conditions | | | | | Cloudy | | | | | | | Cloudy | | | | | | | | | | | | |
| Sunshine (in tenths of hours) | | | | | 0 | 0 | 0 | 0 | 0.3 | 1.0 | 1.0 | 1.0 | 1.0 | 0.8 | 0 | 0.2 | 0.9 | 0.2 | 0 | 0 | | | | |
| Wind direction | NE | NE | NE | NE | NE | E | E | E | E | SE | SE | S | S | SW | SE | SE | SE | SE | SE | SE | SE | SE | SE | S |
| Wind movement | 4 | 4 | 5 | 4 | 5 | 6 | 6 | 7 | 7 | 5 | 6 | 6 | 6 | 9 | 15 | 5 | 9 | 11 | 8 | 11 | 12 | 15 | 14 | 14 |
| Maximum velocities (exceeding 24 miles) direction and time | | | | | | | | | | | | | | | | | | | | | | | | |

Sunrise: Time, 4:11 Character, Cloudy. Moonrise:

Sunset: Time, 7:17 Character, Cloudy. Moonset:

Wind data corrected to true velocity.

| Total duration. From— | To— | Total amount of precipitation. | Excessive rate. Began— | Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | | | | | |

Excessive precipitation, accumulated amounts

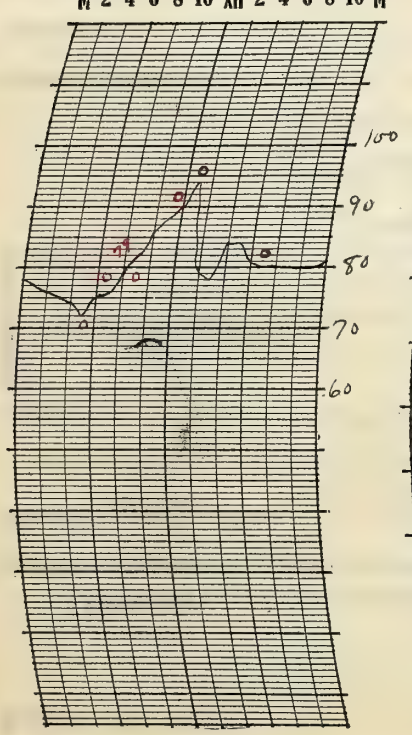
| Maximum Temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 94 | 72 | 83 | |

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., .01 ins.
Total precipitation, midnight to midnight, .01 inches.
Character of day, Cloudy Moon phase,
Average daily cloudiness (0-10), 9
Actual sunshine, hours, 6.4 Possible sunshine, hours, 15.1
Per cent of possible sunshine, 42
Prevailing wind direction, SE Total wind, 194
Average hourly velocity, 8.1 Extreme velocity, 24
Maximum velocity, 22 Direction, S
Time began, 2:22 P.M.
Reduced barometer, 29.99 7 a. m. 29.86 7 p. m.
River gage, 0.9 feet
Relative humidity, 78 7 a. m. 70 7 p. m.

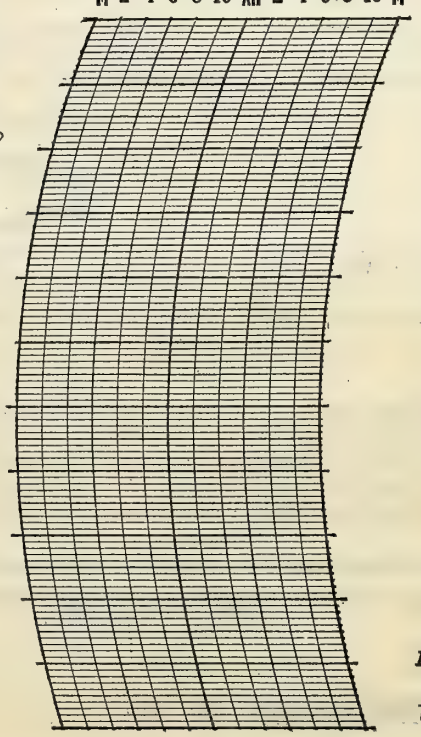
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 90.0 Wet temperature, 75.3
Dew-point, 69 R. humidity, 51 V. pressure, .707
Clouds: Amount, 2/7 (2 Acu); Kind, Cst; Direction, S
Velocity of clouds (miles per hour)

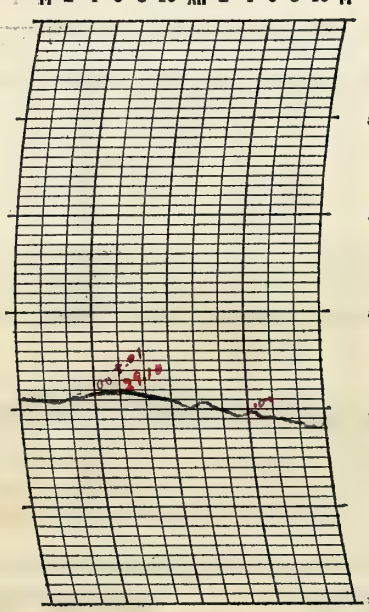
THERMOGRAPH




THERMOGRAPH




BAROGRAPH.




Prepared by L.C.S

Verified by

8—486

## NOTES

A moderate thunderstorm passing from south to north occured from 1:30 P.M. to 2:40 P.M. Some limbs blown from trees. Flying conditions good except during time of thunderstorm.

Form No. 1014—Met'l

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Friday, (Date) JUN 30 1933, 193

Time (local standard) 90 mer. normal time.

| | A.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Temperature at end of hour | 78 | 79 | 82 | 81 | 80 | 78 | 77 | 76 | 77 | 78 | 80 | 83 |
| State of weather: Nature of precipitation and time of beginning and ending | | | | | | | | | | | | |
| Amounts of precipitation | | | | | | | | | | | | |
| Cloudiness and other conditions | | | | | | Pt Cldy | Cloudy | Pt Cldy | Clear | Cloudy | | |
| Sunshine (in tenths of hours) | | | | | 0 | 0.2 | 0.5 | 0.3 | 0.4 | 0.9 | 1.0 | 1.0 |
| Wind direction | W | S | SW | SW | W | W | W | W | W | W | NW | W |
| Wind movement | 9 | 11 | 14 | 15 | 13 | 17 | 15 | 15 | 15 | 14 | 12 | 9 |
| Maximum velocities (exceeding 24 miles) direction and time | | | | | | | | | | | | |

| | P.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Temperature at end of hour | 86 | 86 | 88 | 88 | 89 | 87 | 86 | 85 | 83 | 79 | 78 | 78 |
| State of weather: Nature of precipitation and time of beginning and ending | | | | | | | | | | | | |
| Amounts of precipitation | | | | | | | | | | | | |
| Cloudiness and other conditions | Cloudy | | | | | | Clear | | | | | |
| Sunshine (in tenths of hours) | 1.0 | 1.0 | 1.0 | 1.0 | 0.9 | 0.6 | 0.9 0.1 | 0.28 0 | | | | |
| Wind direction | W | W | NW | NW | NW | NW | N | NW | NW | NW | NW | S |
| Wind movement | 9 | 10 | 9 | 11 | 10 | 8 | 6 | 4 | 2 | 4 | 5 | 9 |

Sunrise: Time, 4:12 Character, Cloudy
Moonrise:

Sunset: Time, 7:17 Character, Clear
Moonset:

Wind data corrected to true velocity.

Excessive precipitation, accumulated amounts

| Total duration. From— | To— | Total amount of precipitation. | Excessive rate. Began— | Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | | | | | |

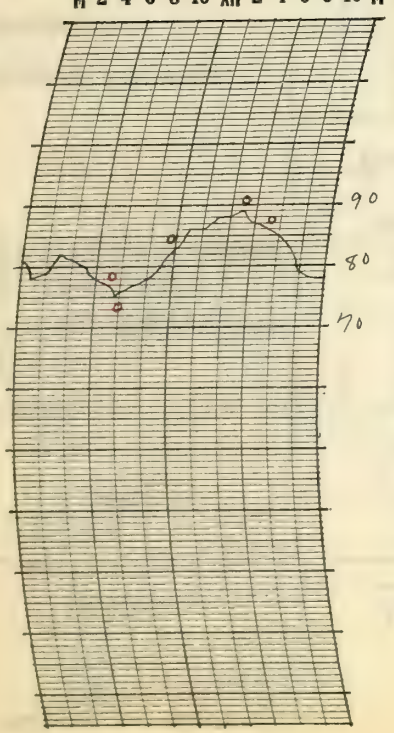
| Maximum Temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 89 | 75 | 82 | |

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., T ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Pt Cloudy Moon phase,
Average daily cloudiness (0-10), 5
Actual sunshine, hours, 11.1 Possible sunshine, hours, 15.1
Per cent of possible sunshine, 74
Prevailing wind direction, W Total wind, 246
Average hourly velocity, 10.2 Extreme velocity, 21
Maximum velocity, 21 Direction, W
Time began, 5:32 a.m.
Reduced barometer, 29.82 7 a. m. 29.81 7 p. m.
River gage, 0.8 feet
Relative humidity, 74 7 a. m. 59 7 p. m.

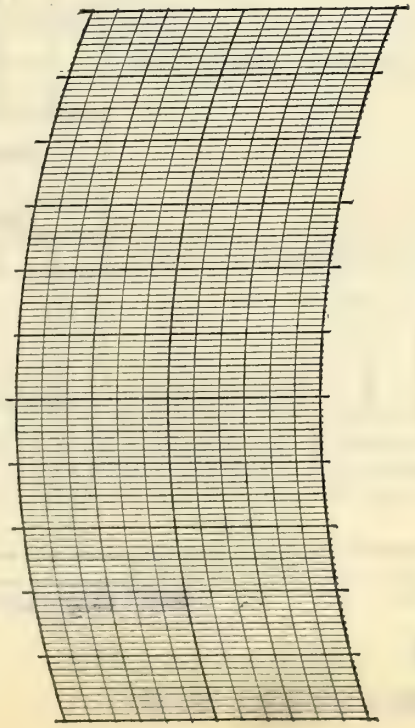
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 83.2 Wet temperature, 73.2
Dew-point, 69 R. humidity, 63 V. pressure, 707
Clouds: Amount, 2 ; Kind, Cu ; Direction, W
Velocity of clouds (miles per hour)

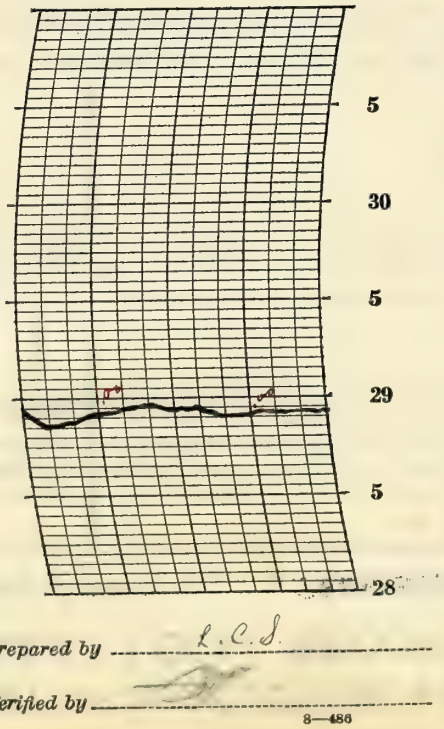
THERMOGRAPH




THERMOGRAPH




BAROGRAPH.




Prepared by L. C. J.

Verified by

8—486

## NOTES

Fair lying Conditions Were excellent all day

Form No. 1014—Met'l

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Saturday, (Date) JUL 1 1933, 193

Time (local standard) 90 mer. normal time.

| | A.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 | P.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Temperature at end of hour | 77 | 75 | 75 | 75 | 74 | 75 | 77 | 78 | 79 | 79 | 82 | 84 | 89 | 88 | 89 | 89 | 90 | 88 | 86 | 83 | 82 | 81 | 80 | 79 |
| State of weather. Nature of precipitation and time of beginning and ending | | | | | | | | | | | | | | | | | | | | | | | | |
| Amounts of precipitation | | | | | | | | | | | | | | | | | | | | | | | | |
| Cloudiness and other conditions | | | | | | ← | | | | | Cloudy | | × P+ Cloudy | | | | | × Clear | | | | 7 | | |
| Sunrise: Time, Character, 4:12 Cloudy. Moonrise: | | | | | | | | | | | | | | | | | | | | | Sunset: Time, 7:17 Character, Clear. Moonset: | | | |
| Sunshine (in tenths of hours) | | | | | 0 | 0 | 0 | 0 | 0 | 0 | 0.7 | 1.0 | 1.0 | 1.0 | 1.0 | 0.9 | 1.0 | 1.0 | 0.8 0.2 | .28 0 | | | | |
| Wind direction | SW | SW | SW | SW | SW | SW | W | W | W | W | SW | SW | SW | NW | NW | NW | NW | NW | W | W | W | W | NW | NW |
| Wind movement | 8 | 8 | 9 | 10 | 9 | 9 | 9 | 9 | 10 | 6 | 5 | 4 | 6 | 9 | 9 | 9 | 10 | 11 | 8 | 6 | 4 | 5 | 4 | 4 |
| Maximum velocities (exceeding 24 miles) direction and time | | | | | | | | | | | | | | | | | | | | | | | | |

Wind data corrected to true velocity.

| Excessive precipitation, accumulated amounts | Total duration. From— | To— | Total amount of precipitation. | Excessive rate. Began— | Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | | | | | | |

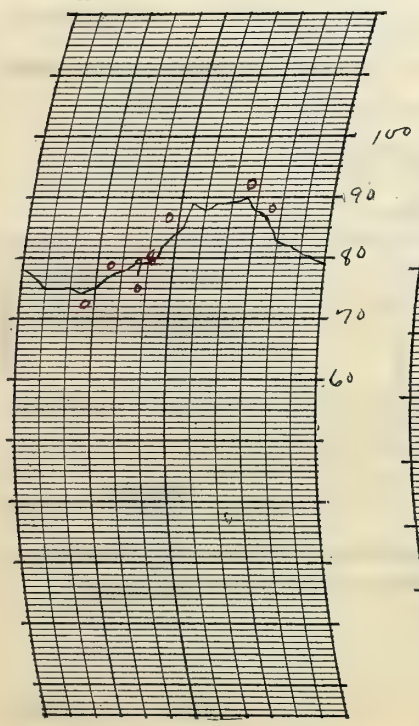
| Maximum Temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 90 | 74 | 82 | |

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Pt Cloudy Moon phase,
Average daily cloudiness (0-10), 7
Actual sunshine, hours, 8.9 Possible sunshine, hours, 15.1
Per cent of possible sunshine, 59
Prevailing wind direction, SW Total wind, 181
Average hourly velocity, 7.5 Extreme velocity, 12
Maximum velocity, 12 Direction, W
Time began, 4:16 P.M.
Reduced barometer, 29.84 7 a. m. 29.84 7 p. m.
River gage, 1.0 feet
Relative humidity, 80 7 a. m. 48 7 p. m.

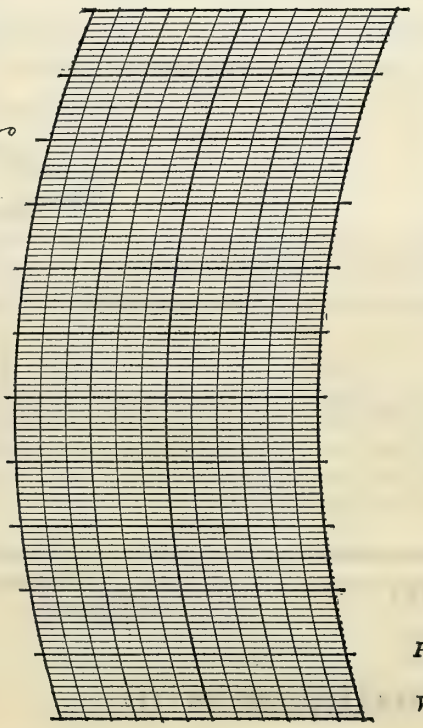
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 84.0 Wet temperature, 71.0
Dew-point, 65 R. humidity, 53 V. pressure, .616
Clouds: Amount, 3/10; Kind, Ac Cu Cu; Direction, W SW
Velocity of clouds (miles per hour)

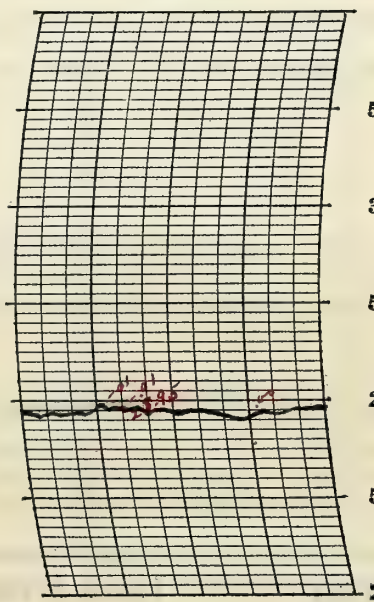
THERMOGRAPH




THERMOGRAPH




BAROGRAPH.




Prepared by L. C. S.

Verified by

8—486

## NOTES

Flying conditions were excellent all day.

Form No. 1014—Met'1

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Sunday, (Date) JUL 2 1933, 193

Time (local standard) 90 mer. normal time.

| | A.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 | P.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Temperature at end of hour | 79 | 77 | 74 | 70 | 70 | 69 | 68 | 67 | 68 | 71 | 74 | 78 | 80 | 80 | 79 | 68 | 67 | 67 | 66 | 65 | 64 | 64 | 63 | 63 |
| State of weather. Nature of precipitation and time of beginning and ending | | | RB DNH | (1) | (1) | (2) | (1) | | RE 8:50 | | | | | | | | | | | | | | | |
| Amounts of precipitation | | | .10 | .43 | .26 | .60 | .34 | .23 | .02 | | | | | | | | | | | | | | | |
| Cloudiness and other conditions | | | | | | ← Cloudy | | | → | Pt Cloudy | | | × Cloudy | | | → | | Pt Cloudy | × Clear | → | | | | |
| Sunrise: Time, 4:13 Character, Cloudy. Moonrise: | | | | | | | | | | | | | | | | | | | | | Sunset: Time, 7:17 Character, Clear after 6:40 P.M. Moonset: | | | |
| Sunshine (in tenths of hours) | | | | | 0 | 0 | 0 | 0 | 0 | 0.9 | 0.8 | 1.0 | 0.8 | 0 | 0.3 | 0.1 | 0 | 0 | 0 | 1.0 .28 | 0 | | | |
| Wind direction | NW | N | NE | NE | NE | NE | NE | E | SE | SE | SE | S | S | SW | N | NE | NE | NE | NE | NE | NE | NE | NE | NE |
| Wind movement | 3 | 8 | 7 | 8 | 9 | 11 | 9 | 9 | 12 | 14 | 10 | 11 | 6 | 6 | 9 | 15 | 18 | 15 | 12 | 13 | 12 | 11 | 12 | 13 |
| Maximum velocities (exceeding 24 miles) direction and time | | | | | | | | | | | | | | | | | | | | | | | | |

Wind data corrected to true velocity.

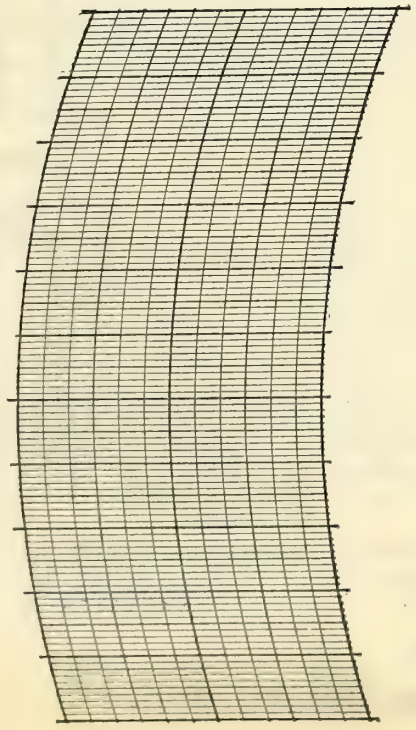
| Total duration. From— | To— | Total amount of precipitation. | Excessive rate. Began— | Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Excessive precipitation, accumulated amounts: .nil | 5:50a | 1.98 | 4:45a | 5:37a | .54 | .09 | .18 | .25 | .41 | .46 | .50 | .54 | .60 | .73 | .77 | .83 | .96 | 1.03 | |

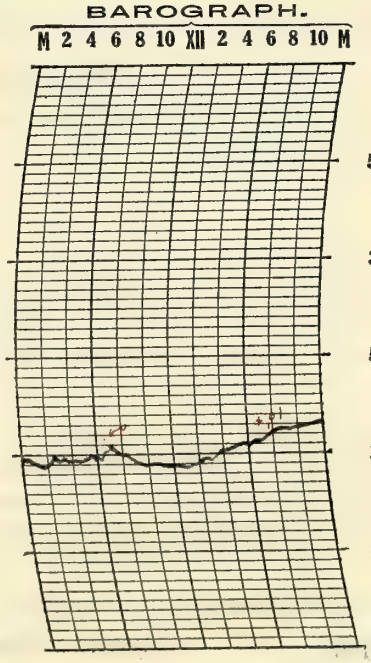
| Maximum Temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 80 | 63 | 72 | |

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 1.58 ins.; to 7 p. m., .40 ins.
Total precipitation, midnight to midnight, 1.98 inches.
Character of day, Cloudy Moon phase,
Average daily cloudiness (0-10), 9
Actual sunshine, hours, 5.2 Possible sunshine, hours, 13.7
Per cent of possible sunshine, 34
Prevailing wind direction, NE Total wind, 253
Average hourly velocity, 10.5 Extreme velocity, 22
Maximum velocity, 21 Direction, NE
Time began, 4:20 P.M.
Reduced barometer, 29.96 7 a. m. 30.00 7 p. m.
River gage, 2.1 feet
Relative humidity, 97 7 a. m. 73 7 p. m.

OBSERVATIONS AT 12 NOON.
(Local Mean Time.)
Dry temperature, 78.1 Wet temperature, 72.0
Dew-point, 69 R. humidity, 75 V. pressure, 29.7
Clouds: Amount, 3/4 ; Kind, Cu ac ; Direction, S W
Velocity of clouds (miles per hour)

THERMOGRAPH
M 2 4 6 8 10 XII 2 4 6 8 10 M
90 80 70 60




Prepared by I. C. J.

Verified by O.I.

8—486

## NOTES

* Figures in parenthesis hundredths added to automatic record

Day was suitable for flying a very heavy thundershower with sharp lightning and loud thunder began during the early morning hours between 2 and 3 O'clock and ended at 7:15 a.m.

Form No. 1014—Met'l

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Monday, (Date) JUL 3 1933, 193

Time (local standard) 90 mer. normal time.

| | A.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 | P.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Temperature at end of hour | 61 | 59 | 58 | 58 | 58 | 60 | 62 | 66 | 69 | 71 | 72 | 74 | 75 | 75 | 76 | 75 | 75 | 74 | 73 | 69 | 67 | 65 | 64 | 63 |
| State of weather. Nature of precipitation and time of beginning and ending | | | | | | | | | | | | | | | | | | | | | | | | |
| Amounts of precipitation | | | | | | | | | | | | | | | | | | | | | | | | |
| Cloudiness and other conditions | | | | | | ← Clear | | | | | | | | | | | | | | | → | | | |
| Sunshine (in tenths of hours) | | | | | .78 0 | 0.5 0.5 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 0.9 | 0.9 0.1 | .28 0 | | | | |
| Wind direction | NE | NE | NE | NE | NE | NE | NE | NE | NE | NE | NE | NE | NE | NE | E | E | NE | E | E | NE | NE | NE | E | E |
| Wind movement | 12 | 9 | 9 | 9 | 12 | 12 | 11 | 14 | 12 | 12 | 12 | 14 | 14 | 15 | 14 | 12 | 12 | 11 | 9 | 8 | 7 | 6 | 6 | 5 |

Sunrise: Time, 4:13 Character, Clear. Moonrise:

Sunset: Time, 7:17 Character, Clear. Moonset:

Maximum velocities (exceeding 24 miles) direction and time

Wind data corrected to true velocity.

| Total duration. From— | To— | Total amount of precipitation. | Excessive rate. Began— | Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | | | | | |

Excessive precipitation, accumulated amounts

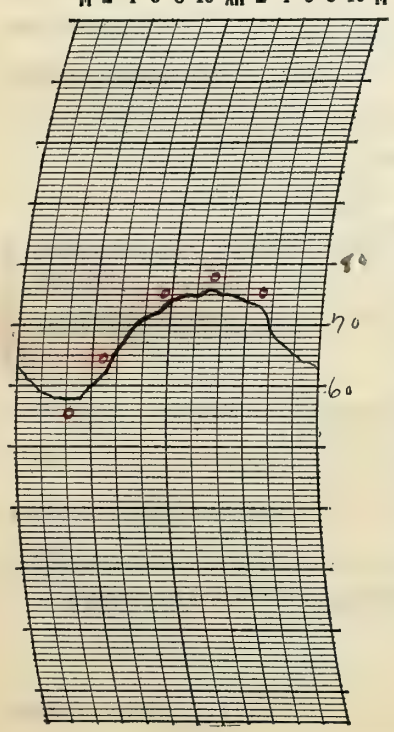
| Maximum Temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 76 | 58 | 67 | |

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Clear Moon phase,
Average daily cloudiness (0-10), 1
Actual sunshine, hours, 15.0 Possible sunshine, hours, 15.1
Per cent of possible sunshine, 99
Prevailing wind direction, NE Total wind, 257
Average hourly velocity, 10.7 Extreme velocity, 19
Maximum velocity, 18 Direction, NE
Time began, 12:39 p.m.
Reduced barometer, 30.22 7 a. m. 30.30 7 p. m.
River gage, 1.9 feet
Relative humidity, 68 7 a. m. 56 7 p. m.

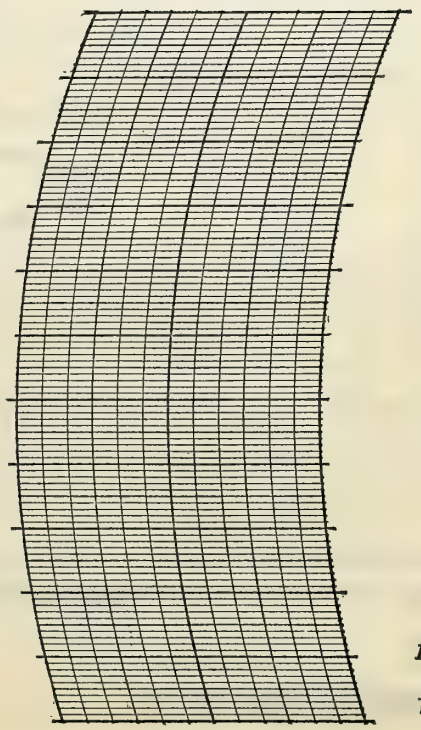
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 74.0 Wet temperature, 63.0
Dew-point, 56 R. humidity, 54 V. pressure, 448
Clouds: Amount, 5; Kind, Ac Cu; Direction, E
Velocity of clouds (miles per hour)

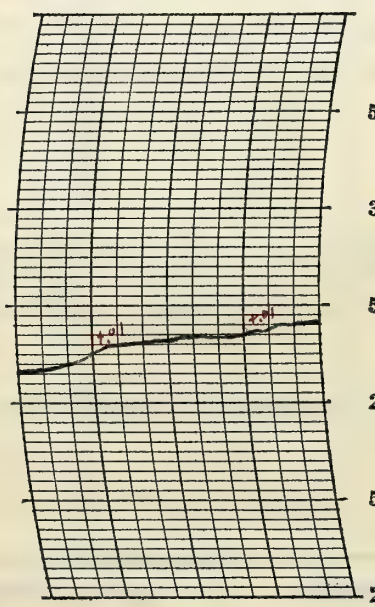
THERMOGRAPH




THERMOGRAPH




BAROGRAPH.




Prepared by L. C. S.

Verified by

8—486

## NOTES

Flying Conditions Were excellent all day.

Form No. 1014—Met'1

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(Station) Fort Wayne Ind, (Day of week) Tuesday, (Date) JUL 4 1933, 193

Time (local standard) 90 mer. normal time.

| | A.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 | P.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Temperature at end of hour | 62 | 61 | 60 | 59 | 59 | 61 | 64 | 67 | 70 | 73 | 75 | 76 | 78 | 79 | 79 | 80 | 79 | 78 | 78 | 74 | 70 | 68 | 66 | 64 |
| State of weather. Nature of precipitation and time of beginning and ending | | | | | | | | | | | | | | | | | | | | | | | | |
| Amounts of precipitation | | | | | | | | | | | | | | | | | | | | | | | | |
| Cloudiness and other conditions | | | | | | ← | | | | | | Clear | | | | | | | | | | | → | |
| Sunshine (in tenths of hours) | | | | | .7 0 | 0.5 0.5 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 0.8 0.2 | .27 0 | | | | |
| Wind direction | E | E | E | E | E | E | NE | E | E | E | E | E | E | E | E | E | E | E | E | E | E | E | E | E |
| Wind movement | 5 | 5 | 6 | 5 | 6 | 6 | 6 | 7 | 9 | 12 | 12 | 12 | 12 | 9 | 9 | 9 | 9 | 7 | 6 | 4 | 6 | 7 | 7 | 5 |
| Maximum velocities (exceeding 24 miles) direction and time | | | | | | | | | | | | | | | | | | | | | | | | |

Sunrise: Time, 4:14 Character, Clear
Moonrise:
Sunset: Time, 7:16 Character, Clear
Moonset:

Wind data corrected to true velocity.

| Excessive precipitation, accumulated amounts | Total duration. From— | To— | Total amount of precipitation. | Excessive rate. Began— | Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | | | | | | |

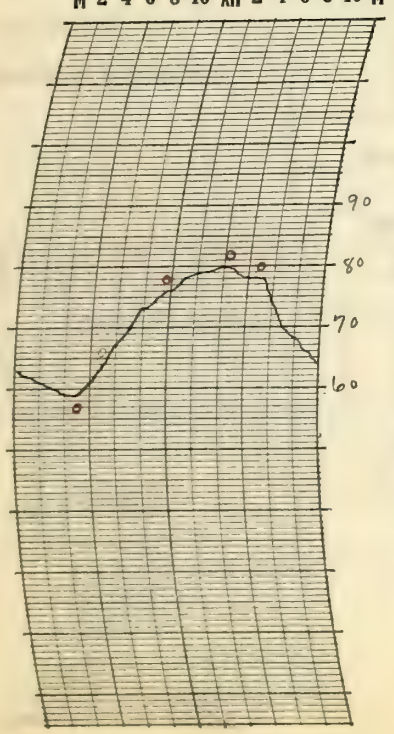
| Maximum Temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 80 | 59 | 70 | |

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Clear Moon phase,
Average daily cloudiness (0-10), 7 few
Actual sunshine, hours, 15.0 Possible sunshine, hours, 15.0
Per cent of possible sunshine, 100
Prevailing wind direction, E Total wind, 181
Average hourly velocity, 7.5 Extreme velocity, 15
Maximum velocity, 15 Direction, E
Time began, 10:22 a.m.
Reduced barometer, 30.40 7 a. m. 30.30 7 p. m.
River gage, 1.1 feet
Relative humidity, 79 7 a. m. 37 7 p. m.

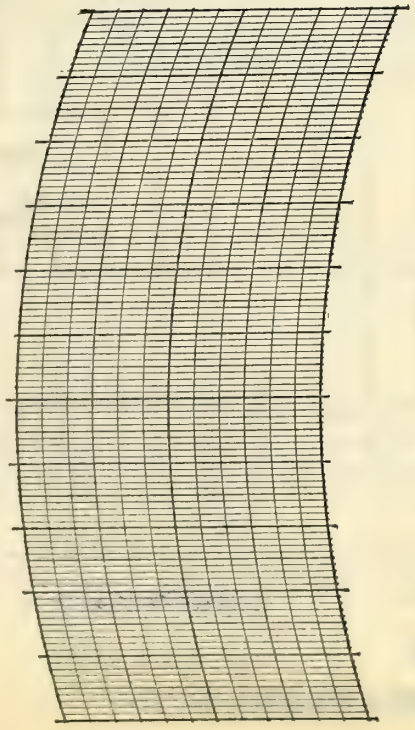
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 75.8 Wet temperature, 59.8
Dew-point, 49 R. humidity, 38 V. pressure, 347
Clouds: Amount, 0; Kind, 0; Direction, 0
Velocity of clouds (miles per hour)

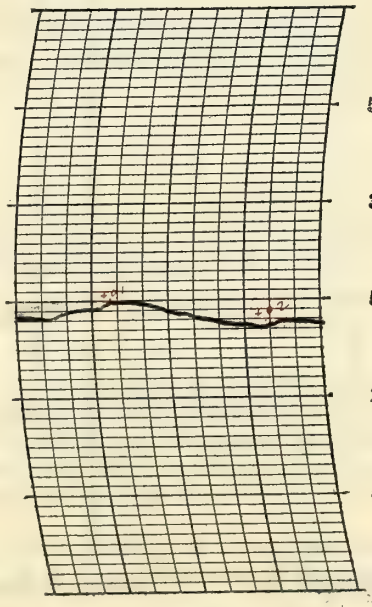
THERMOGRAPH




THERMOGRAPH




BAROGRAPH.




Prepared by L. C. S.

Verified by

8—486

## NOTES

an ideal day for holiday celebration. Day was clear and comfortable. Flying conditions were excellent all day.

Form No. 1014—Met'1

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Wednesday, (Date) JUL 5 1933, 193

Time (local standard) 90 mer. normal time.

| | A.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 | P.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Temperature at end of hour | 63 | 62 | 61 | 60 | 60 | 63 | 66 | 71 | 74 | 76 | 78 | 78 | 79 | 81 | 82 | 82 | 82 | 81 | 80 | 78 | 76 | 71 | 70 | 66 |
| State of weather. Nature of precipitation and time of beginning and ending | | | | | | | | | | | | | | | | | | | | | | | | |
| Amounts of precipitation | | | | | | | | | | | | | | | | | | | | | | | | |
| Cloudiness and other conditions | | | | | | | | | | | | Clear | | | | | | | | | | | | |
| Sunshine (in tenths of hours) | | | | | .75 0 | 0.6 0.4 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 0.9 0.1 | .27 0 | | | | |
| Wind direction | E | E | E | E | E | E | E | E | E | NE | NE | E | E | NE | E | E | E | SE | SE | 0 | SE | SE | SE | SE |
| Wind movement | 4 | 3 | 4 | 4 | 5 | 5 | 5 | 3 | 4 | 6 | 6 | 6 | 6 | 7 | 6 | 6 | 5 | 6 | 5 | 1 | 2 | 2 | 2 | 2 |
| Maximum velocities (exceeding 24 miles) direction and time | | | | | | | | | | | | | | | | | | | | | | | | |

Sunrise: Time, 4:15 Character, Clear. Moonrise:

Sunset: Time, 7:16 Character, Clear. Moonset:

Wind data corrected to true velocity.

| Total duration. From— | To— | Total amount of precipitation. | Excessive rate. Began— | Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | | | | | |

Excessive precipitation, accumulated amounts

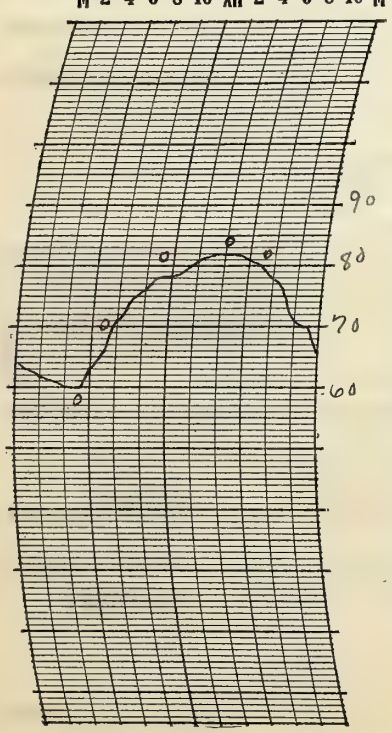
| Maximum Temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 82 | 60 | 71 | |

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Clear Moon phase,
Average daily cloudiness (0-10), 1
Actual sunshine, hours, 15.0 Possible sunshine, hours, 15.0
Per cent of possible sunshine, 100
Prevailing wind direction, E Total wind, 105
Average hourly velocity, 4.4 Extreme velocity, 9
Maximum velocity, 9 Direction, E
Time began, 1:55 p.m.
Reduced barometer, 30.31 7 a. m. 30.15 7 p. m.
River gage, 1.4 feet
Relative humidity, 60 7a. m. 29 7p. m.

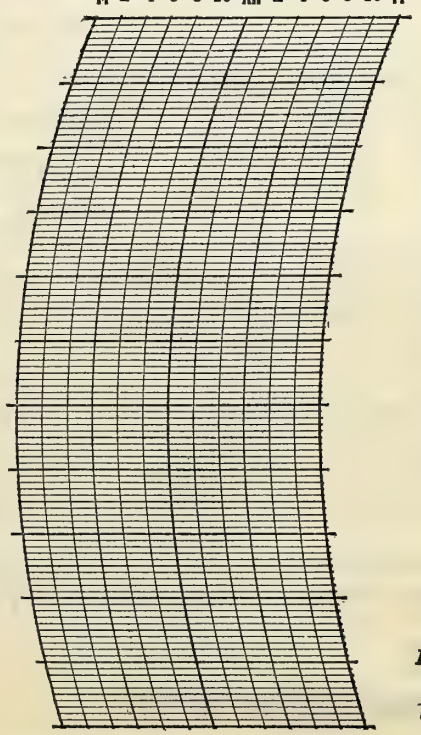
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 78.0 Wet temperature, 61.5
Dew-point, 50 R. humidity, 38 V. pressure, 360
Clouds: Amount, 0; Kind, 0; Direction, 0
Velocity of clouds (miles per hour)

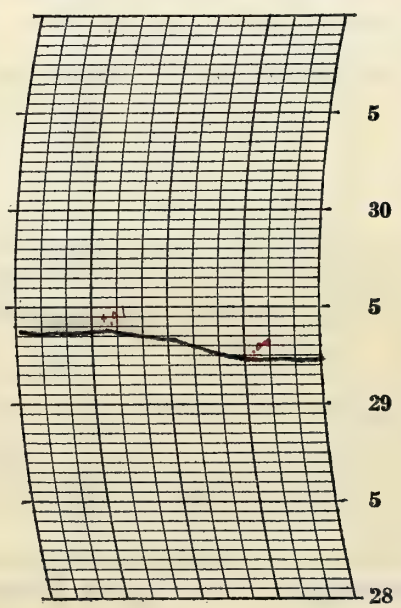
THERMOGRAPH




THERMOGRAPH




BAROGRAPH.




Prepared by L.C.S.

Verified by W.

8—486

## NOTES

Flying Conditions were excellent all day.

Form No. 1014—Met'1

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Thursday, (Date) JUL 6 1933, 193

Time (local standard) 90 mer. normal time.

| | A.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 | P.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Temperature at end of hour | 64 | 64 | 62 | 62 | 61 | 64 | 68 | 71 | 75 | 79 | 82 | 84 | 85 | 86 | 86 | 87 88 | 86 | 86 | 85 | 81 | 79 | 76 | 72 | 71 |
| State of weather. Nature of precipitation and time of beginning and ending | | | | | | | | | | | | | | | | | | | | | | | | |
| Amounts of precipitation | | | | | | | | | | | | | | | | | | | | | | | | |
| Cloudiness and other conditions | | | | | | ← Clear | — | × | — | pt Cloudy | — | × | Clear | → | | | | | | | | | | |
| Sunshine (in tenths of hours) | | | | | .75 0 | 0.6 0.4 | 1.0 | 1.0 | 0.7 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 0.9 0.1 | 27 0 | | | | |
| Wind direction | SE | 0 | SE | SE | SE | SE | SW | SW | SW | SW | SW | W | W | SW | W | SW | W | W | W | W | 0 | W | S | S |
| Wind movement | 3 | 1 | 2 | 3 | 4 | 2 | 6 | 8 | 6 | 9 | 10 | 8 | 9 | 8 | 9 | 9 | 8 | 7 | 5 | 2 | 1 | 4 | 6 | 6 |
| Maximum velocities (exceeding 24 miles) direction and time | | | | | | | | | | | | | | | | | | | | | | | | |

Sunrise: Time, 4:15 Character, Clear
Moonrise:

Sunset: Time, 7:16 Character, Clear
Moonset:

Wind data corrected to true velocity.

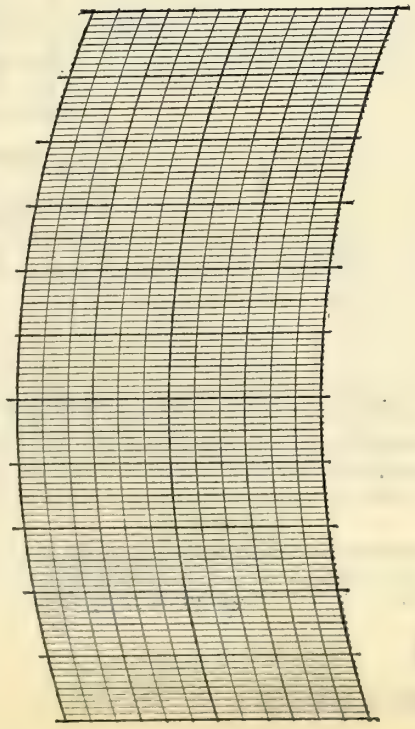
| Excessive precipitation, accumulated amounts | Total duration. From— | To— | Total amount of precipitation. | Excessive rate. Began— | Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | | | | | | |

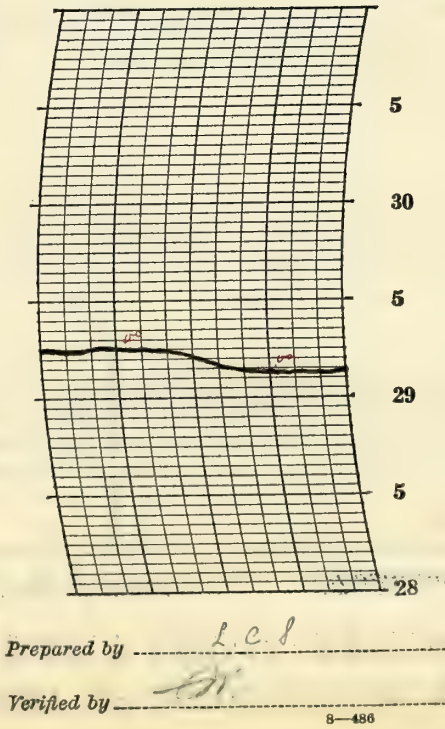
| Maximum Temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 88 | 61 | 74 | |

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Clear Moon phase,
Average daily cloudiness (0-10), 2
Actual sunshine, hours, 14.7 Possible sunshine, hours, 15.0
Per cent of possible sunshine, 98
Prevailing wind direction, W Total wind, 136
Average hourly velocity, 5.7 Extreme velocity, 12
Maximum velocity, 12 Direction, W
Time began, 10:10 a.m
Reduced barometer, 30.16 7 a. m. 30.04 7 p. m.
River gage, 1.3 Feet
Relative humidity, 55 7 a. m. 28 7 p. m.

OBSERVATIONS AT 12 NOON.
(Local Mean Time.)
Dry temperature, 84.0 Wet temperature, 62.1
Dew-point, 46 R. humidity, 27 V. pressure, 30.10
Clouds: Amount, 2; Kind, Cicu; Direction, W
Velocity of clouds (miles per hour)

THERMOGRAPH
M 2 4 6 8 10 XII 2 4 6 8 10 M
90 80 70 60




Prepared by L.C.I
Verified by

8—486

## NOTES

Flying Conditions Were Excellent all day

Form No. 1014—Met'l

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) ~~Friday~~, (Date) JUL 7 1933, 193

Time (local standard) 90 mer. normal time.

| | A.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 | P.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Temperature at end of hour | 69 | 68 | 67 | 66 | 66 | 68 | 71 | 76 | 80 | 85 | 87 | 87 | 87 | 90 | 90 | 89 | 88 | 87 | 85 | 83 | 81 | 79 | 79 | 78 |
| State of weather. Nature of precipitation and time of beginning and ending | | | | | | | | | | | | | | | | | | | | | | | | |
| Amounts of precipitation | | | | | | | | | | | | | | | | | | | | | | | | |
| Cloudiness and other conditions | | | | | | ← | | | Clear | | | × P+Cloudy × | | | | Cloudy | | | | | → | | | |
| Sunshine (in tenths of hours) | | | | | .73 0 | 1.0 0 | 0.1 0.9 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 0 | 0.3 | 0 | 0 | | | | |
| Wind direction | S | S | S | S | SW | SW | SW | SW | SW | W | W | W | W | SW | SW | SW | SW | W | W | SW | S | S | SW | SW |
| Wind movement | 7 | 6 | 6 | 6 | 8 | 8 | 9 | 10 | 10 | 12 | 13 | 12 | 10 | 10 | 10 | 11 | 8 | 8 | 6 | 5 | 6 | 8 | 9 | 8 |
| Maximum velocities (exceeding 24 miles) direction and time | | | | | | | | | | | | | | | | | | | | | | | | |

Sunrise: Time, 4:16 Character, Clear
Moonrise:
Sunset: Time, 7:16 Character, Cloudy
Moonset:

Wind data corrected to true velocity.

| Total duration. From— | To— | Total amount of precipitation. | Excessive rate. Began— | Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | | | | | |

Excessive precipitation, accumulated amounts

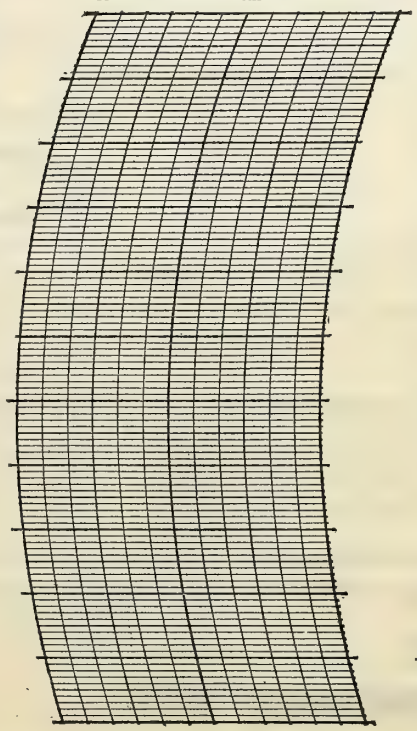
| Maximum Temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 90 | 66 | 78 | |

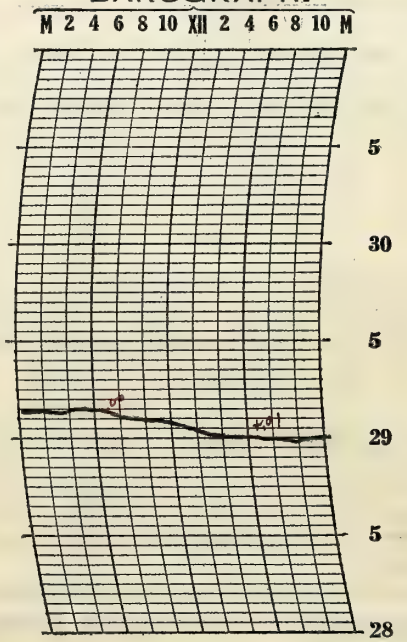
Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, P+ Cloudy Moon phase,
Average daily cloudiness (0-10) 4
Actual sunshine, hours, 12.0 Possible sunshine, hours, 15.0
Per cent of possible sunshine, 80
Prevailing wind direction, SW Total wind, 206
Average hourly velocity, 8.6 Extreme velocity, 17
Maximum velocity, 16 Direction, W
Time began, 10:15 a.m.
Reduced barometer, 30.03 7 a. m. 29.90 7 p. m.
River gage, 1.3 feet
Relative humidity, 56 7 a. m. 39 7 p. m.

OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 86.7 Wet temperature, 67.2
Dew-point, 56 R. humidity, 36 V. pressure, .448
Clouds: Amount, 1; Kind, Cu-Cu; Direction, W
Velocity of clouds (miles per hour)

THERMOGRAPH
M 2 4 6 8 10 XII 2 4 6 8 10 M
90 80 70 60




Prepared by L.C.S.

Verified by W.

8—486

## NOTES

Flying conditions were excellent all day. Faint Solar Halo was observed from 11:00 a.m to 2:00 P.m.

Form No. 1014—Met'1

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Saturday, (Date) JUL 8 1933, 193

Time (local standard) 90 mer. normal time.

| | A.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 | P.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Temperature at end of hour | 78 | 77 | 76 | 73 | 69 | 70 | 71 | 72 | 74 | 77 | 80 | 82 | 84 | 84 | 86 | 82 | 79 | 79 | 78 | 78 | 77 | 76 | 75 | 74 |
| State of weather. Nature of precipitation and time of beginning and ending | | | | RB DNA | | RE 6:00 | | | | | | | | | | RB 3:55 RE 4:05 | | | | | RB 8:00 RE 8:03 | | | |
| Amounts of precipitation | | | | .04 | .09 | .06 | | | | | | | | | | T | | | | | T | | | |
| Cloudiness and other conditions | | | | | | Cloudy | | | | | | | | | | | | | | | | | 7 | |
| Sunshine (in tenths of hours) | | | | | 0 | 0 | 0 | 0 | 0 | 0.3 | 1.0 | 0.8 | 1.0 | 0.8 | 0.4 | 0.6 | 0.2 | 0 | 0 | 0 | | | | |
| Wind direction | W | W | SW | SW | NW | NW | E | SE | S | SW | W | W | W | W | NW | W | SW | S | W | W | W | W | SW | W |
| Wind movement | 8 | 6 | 5 | 7 | 6 | 4 | 3 | 5 | 6 | 9 | 9 | 9 | 8 | 8 | 8 | 6 | 9 | 7 | 6 | 4 | 6 | 5 | 6 | 7 |
| Maximum velocities (exceeding 24 miles) direction and time | | | | | | | | | | | | | | | | | | | | | | | | |

Sunrise: Time, 4:16 Character, Cloudy. Moonrise:

Sunset: Time, 7:15 Character, Cloudy. Moonset:

Wind data corrected to true velocity.

| Total duration. From— | To— | Total amount of precipitation. | Excessive rate. Began— | Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | | | | | |

Excessive precipitation, accumulated amounts

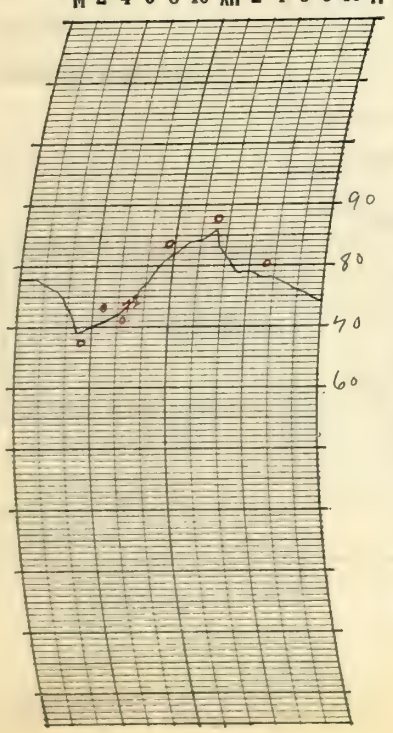
| Maximum Temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 86 | 69 | 78 | |

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0.19 ins.; to 7 p. m., T ins.
Total precipitation, midnight to midnight, 0.19 inches.
Character of day, Cloudy. Moon phase,
Average daily cloudiness (0-10), 10
Actual sunshine, hours, 5.1 Possible sunshine, hours, 15.0
Per cent of possible sunshine, 34
Prevailing wind direction, W Total wind, 157
Average hourly velocity, 6.5 Extreme velocity, 14
Maximum velocity, 13 Direction, SW
Time began, 4:33 pm
Reduced barometer, 29.91 7 a. m. 29.90 7 p. m.
River gage, 1.4 feet
Relative humidity, 87 7 a. m. 78 7 p. m.

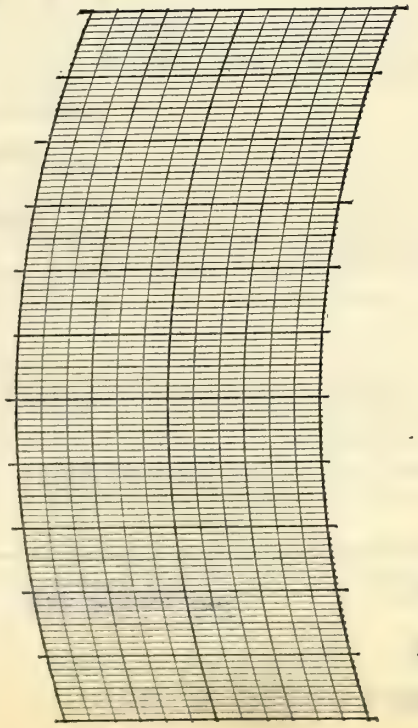
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 82.0 Wet temperature, 71.0
Dew-point, 66 R. humidity, 58 V. pressure, .638
Clouds: Amount, 2 6 1; Kind, ast ac cu; Direction, NW NW NW
Velocity of clouds (miles per hour)

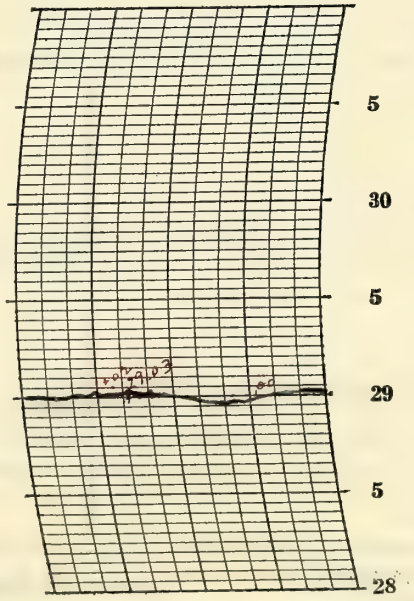
THERMOGRAPH




THERMOGRAPH




BAROGRAPH.




Prepared by L. C. S

Verified by

8—486

## NOTES

Flying Conditions Were very good to excellent all day.

Form No. 1014—Met'l

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Sunday, (Date) JUL 9 1933, 193

Time (local standard) 90 mer. normal time.

| | A.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 | P.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Temperature at end of hour | 73 | 73 | 69 | 68 | 67 | 68 | 68 | 67 | 70 | 73 | 76 | 78 | 79 | 80 | 82 | 81 | 81 | 80 | 78 | 75 | 73 | 71 | 70 | 68 |
| State of weather. Nature of precipitation and time of beginning and ending | | RB DNH | RE DNH | | | | | | | | | | | | | | | | | | | | | |
| Amounts of precipitation | | .31 | .25 | | | | | | | | | | | | | | | | | | | | | |
| Cloudiness and other conditions | | | | | | ← | | | Cloudy | | | × P.Cldy × | Cloudy | | | × Clear | | | | | → | | | |
| Sunshine (in tenths of hours) | | | | | 0 | 0 | 0 | 0.2 | 0.9 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 0.6 | 0.8 | 0.4 0.6 | 1.0 0 | .25 0 | | | | |
| Wind direction | W | W | NE | NE | NE | NE | NE | NE | NE | E | NE | NE | E | E | E | E | E | NE | NE | E | E | E | E | E |
| Wind movement | 4 | 6 | 9 | 9 | 7 | 7 | 8 | 10 | 8 | 8 | 10 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 7 | 6 | 4 | 5 | 5 | 4 |
| Maximum velocities (exceeding 24 miles) direction and time | | | | | | | | | | | | | | | | | | | | | | | | |

Sunrise: Time, 4:17 Character, Cloudy
Moonrise:

Sunset: Time, 7:15 Character, Clear
Moonset:

Wind data corrected to true velocity.

| Total duration. From— | To— | Total amount of precipitation. | Excessive rate. Began— | Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Dna | Dna | 0.56 | 1.43a | 2:13a | 0.01 | .05 | .21 | .28 | .34 | .44 | .52 | .54 | .55 | .55 | .55 | .55 | .55 | .55 | .55 |

Excessive precipitation, accumulated amounts

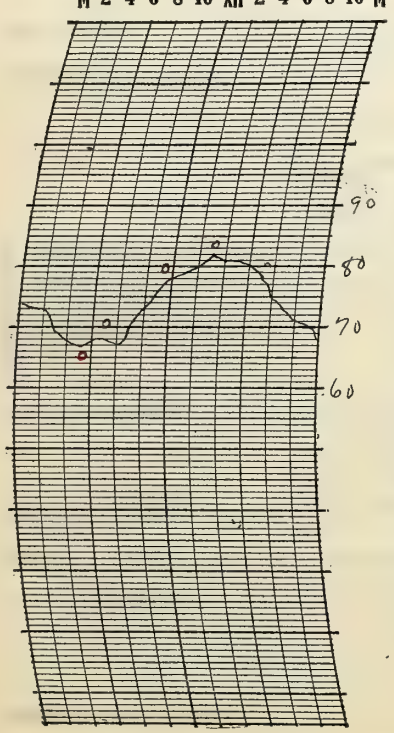
| Maximum Temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 82 | 67 | 74 | |

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., .56 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0.56 inches.
Character of day, Pt Cloudy Moon phase,
Average daily cloudiness (0-10), 7
Actual sunshine, hours, 10.8 Possible sunshine, hours, 15.0
Per cent of possible sunshine, 72
Prevailing wind direction, NE + E Total wind, 180
Average hourly velocity, 7.5 Extreme velocity, 12
Maximum velocity, 12 Direction, NE
Time began, 7:10 a.m.
Reduced barometer, 30.00 7 a. m. 30.00 7 p. m.
River gage, 1.3 feet
Relative humidity, 80 7 a. m. 46 7 p. m.

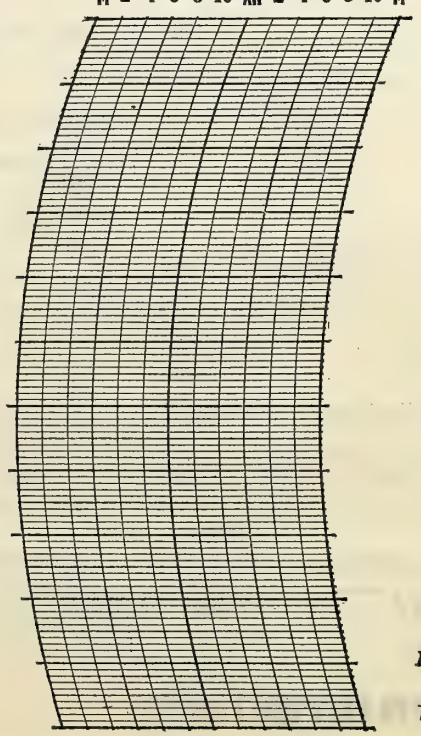
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 78.0 Wet temperature, 67.1
Dew-point, 61 R. humidity, 57 V. pressure, 29.36
Clouds: Amount, 2/2; Kind, Cu; Direction, NW
Velocity of clouds (miles per hour)

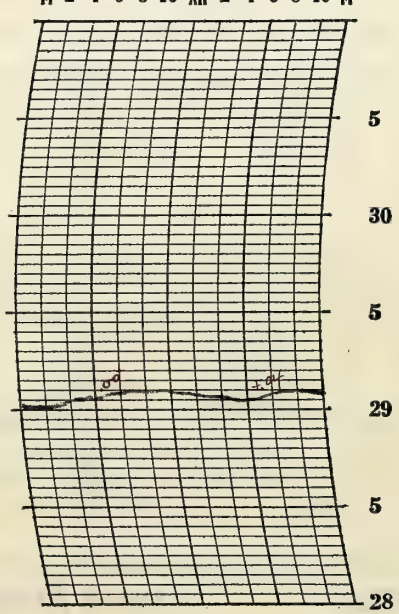
THERMOGRAPH




THERMOGRAPH




BAROGRAPH.




Prepared by L. C. S.

Verified by W.

8—486

## NOTES

Flying conditions were very good to excellent all day.

Form No. 1014—Met'1

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Monday, (Date) JUL 10 1933, 193

Time (local standard) 90 mer. normal time.

| | A.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 | P.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Temperature at end of hour | 67 | 67 | 65 | 64 | 63 | 63 | 66 | 68 | 73 | 76 | 78 | 80 | 81 | 83 | 84 | 83 | 84 | 82 | 80 | 77 | 75 | 72 | 70 | 69 |
| State of weather. Nature of precipitation and time of beginning and ending | | | | | | | | | | | | | | | | | | | | | | | | |
| Amounts of precipitation | | | | | | ← Pt Cloudy | | | | | | | → × Clear | | | | | | → × Pt Cloudy | | | → | | |
| Cloudiness and other conditions | | | | | | | | | | | | | | | | | | | | | | | | |
| Sunshine (in tenths of hours) | | | | | 0 | 0 | 0 | 0.1 | 0.7 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 0.6 | 1.0 0 | .25 0 | | | | |
| Wind direction | E | E | E | NE | NE | NE | NE | NE | E | E | E | NE | E | E | E | NE | NE | NE | NE | NE | NE | E | E | E |
| Wind movement | 4 | 4 | 6 | 7 | 7 | 6 | 5 | 5 | 6 | 9 | 10 | 10 | 9 | 8 | 8 | 7 | 8 | 9 | 6 | 5 | 6 | 6 | 5 | 4 |
| Maximum velocities (exceeding 24 miles) direction and time | | | | | | | | | | | | | | | | | | | | | | | | |

Sunrise: Time, 4:18 Character, Cloudy
Moonrise:

Sunset: Time, 7:15 Character, Clear
Moonset:

Wind data corrected to true velocity.

| Total duration. From— | To— | Total amount of precipitation. | Excessive rate. Began— | Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | | | | | |

Excessive precipitation, accumulated amounts

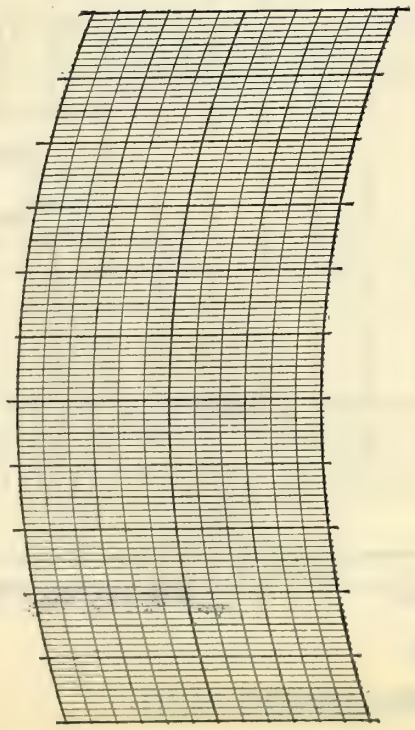
| Maximum Temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 84 | 63 | 74 | |

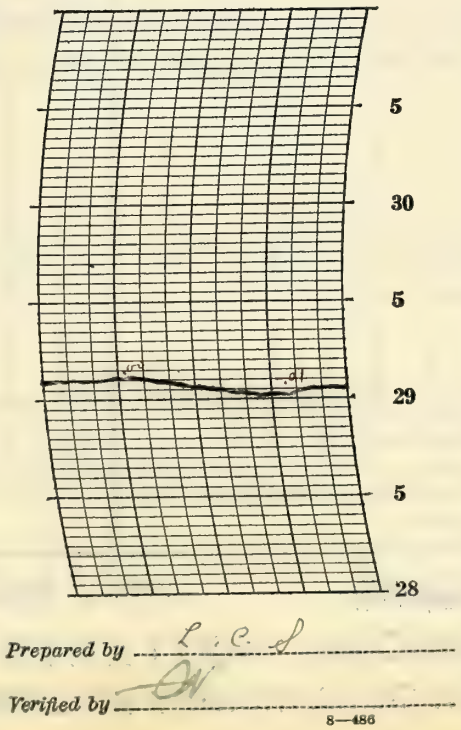
Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Pt Cloudy Moon phase,
Average daily cloudiness (0-10), 5
Actual sunshine, hours, 10.6 Possible sunshine, hours, 15.0
Per cent of possible sunshine, 71
Prevailing wind direction, NE & E Total wind, 160
Average hourly velocity, 6.7 Extreme velocity, 13
Maximum velocity, 13 Direction, NE
Time began, 12:05 P.M.
Reduced barometer, 30.02 7 a. m. 29.91 7 p. m.
River gage, 0.6 feet
Relative humidity, 74 7 a. m. 41 7 p. m.

OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 80.5 Wet temperature, 62.7
Dew-point, 51 R. humidity, 36 cu cu V. pressure, 323 w
Clouds: Amount, 3/2; Kind, acu; Direction, w
Velocity of clouds (miles per hour)

THERMOGRAPH
M 2 4 6 8 10 XII 2 4 6 8 10 M
90 80 70 60




Prepared by L. C. L
Verified by

8—486

## NOTES

Flying conditions were good to excellent all day.

Form No. 1014—Met'l

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Tuesday, (Date) JUL 11 1933, 193

Time (local standard) 90 mer. normal time.

| | A.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 | P.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Temperature at end of hour | 67 | 66 | 64 | 63 | 62 | 64 | 68 | 72 | 75 | 77 | 78 | 79 | 80 | 81 | 82 | 81 | 80 | 77 | 76 | 72 | 69 | 67 | 66 | 64 |
| State of weather. Nature of precipitation and time of beginning and ending | | | | | | | | | | | | | | | | | | | | | | | | |
| Amounts of precipitation | | | | | | | | | | | | | | | | | | | | | | | | |
| Cloudiness and other conditions | | | | | | ← | | | | Clear | | | | | × P+ Cldy | | | | | × | Clear | | | → |
| Sunshine (in tenths of hours) | | | | | .7 0 | 0.8 0.2 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 0.8 | 0.3 | 0 | 0 | | | | |
| Wind direction | E | E | E | E | NE | NE | NE | NE | NE | NE | NE | NE | NE | NE | NE | NE | NE | E | E | E | NE | NE | NE | NE |
| Wind movement | 5 | 4 | 5 | 7 | 7 | 9 | 9 | 8 | 9 | 9 | 9 | 12 | 11 | 9 | 10 | 10 | 10 | 9 | 8 | 7 | 6 | 6 | 7 | 5 |

Sunrise: Time, 4:18 Character, Clear. Moonrise:

Sunset: Time, 7:14 Character, Cloudy. Moonset:

Maximum velocities (exceeding 24 miles) direction and time

Wind data corrected to true velocity.

| Total duration. From— | To— | Total amount of precipitation. | Excessive rate. Began— | Ended— | Amount before excessive began. |
|---|---|---|---|---|---|
| | | | | | |

Excessive precipitation, accumulated amounts

Accumulated depths during excessive rate, for consecutive periods of time indicated below.

| 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | |

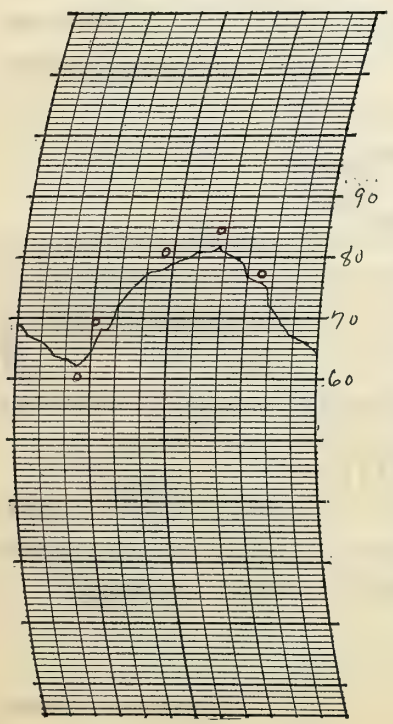
| Maximum Temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 82 | 62 | 72 | |

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Clear Moon phase,
Average daily cloudiness (0-10), 2
Actual sunshine, hours, 12.8 Possible sunshine, hours, 14.9
Per cent of possible sunshine, 86
Prevailing wind direction, NE Total wind, 191
Average hourly velocity, 8.0 Extreme velocity, 15
Maximum velocity, 15 Direction, NE
Time began, 12:37 P.M.
Reduced barometer, 29.98 7 a. m. 29.99 7 p. m.
River gage, 0.8 feet
Relative humidity, 73 7 a. m. 41 7 p. m.

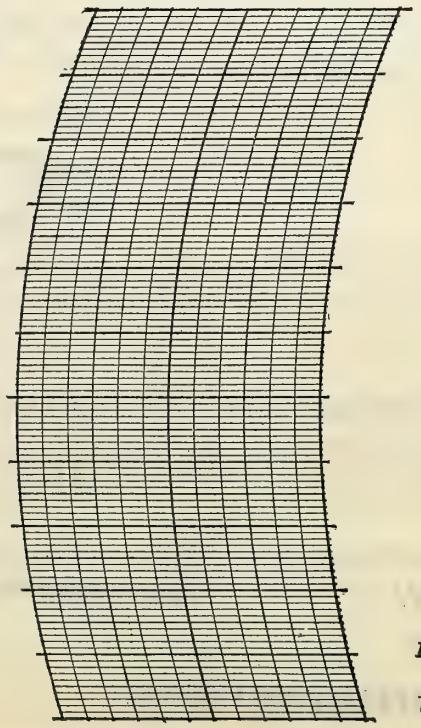
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 79.0 Wet temperature, 59.3
Dew-point, 45 R. humidity, 30 V. pressure, .298
Clouds: Amount, 1; Kind, Ci; Direction, NW
Velocity of clouds (miles per hour)

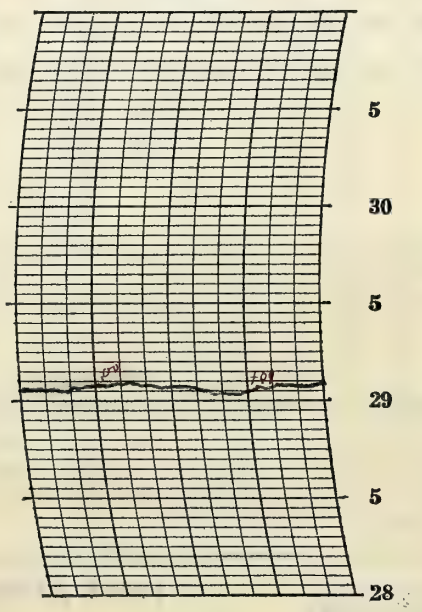
THERMOGRAPH




THERMOGRAPH




BAROGRAPH.




Prepared by L.C.S

Verified by CW.

8—486

## NOTES

Flying Conditions were very good to excellent all day.

Form No. 1014—Met'1

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Wednesday, (Date) JUL 12 1933, 193

Time (local standard) 90 mer. normal time.

| | A.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 | P.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Temperature at end of hour | 64 | 63 | 61 | 61 | 60 | 62 | 67 | 70 | 72 | 76 | 80 | 82 | 83 | 85 | 85 | 86 | 86 | 84 | 83 | 78 | 76 | 73 | 72 | 69 |
| State of weather. Nature of precipitation and time of beginning and ending | | | | | | | | | | | | | | | | | | | | | | | | |
| Amounts of precipitation | | | | | | | | | | | | | | | | | | | | | | | | |
| Cloudiness and other conditions | | | | | | | | | | | Pt Cloudy | | | | x Clear | | | | | | | | | |
| Sunshine (in tenths of hours) | | | | | .68 0 | 0.8 0.2 | 1.0 | 0.4 | 1.0 | 1.0 | 1.0 | 1.0 | 0.8 | 0.7 | 1.0 | 1.0 | 1.0 | 0.9 0.1 | 1.0 0 | .23 0 | | | | |
| Wind direction | NE | NE | NE | NE | NE | NE | NE | NE | E | NE | NE | E | NE | E | NE | E | E | E | NE | NE | NE | E | E | E |
| Wind movement | 4 | 8 | 7 | 7 | 7 | 8 | 9 | 7 | 8 | 6 | 7 | 8 | 6 | 6 | 7 | 7 | 6 | 6 | 6 | 7 | 7 | 5 | 7 | 8 |
| Maximum velocities (exceeding 24 miles) direction and time | | | | | | | | | | | | | | | | | | | | | | | | |

Sunrise: Time, 4:19 Character, Clear
Moonrise: ---- ----
Sunset: Time, 7.14 Character, Clear
Moonset: ---- ----

Wind data corrected to true velocity.

Excessive precipitation, accumulated amounts

| Total duration. From— | To— | Total amount of precipitation. | Excessive rate. Began— | Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | | | | | |

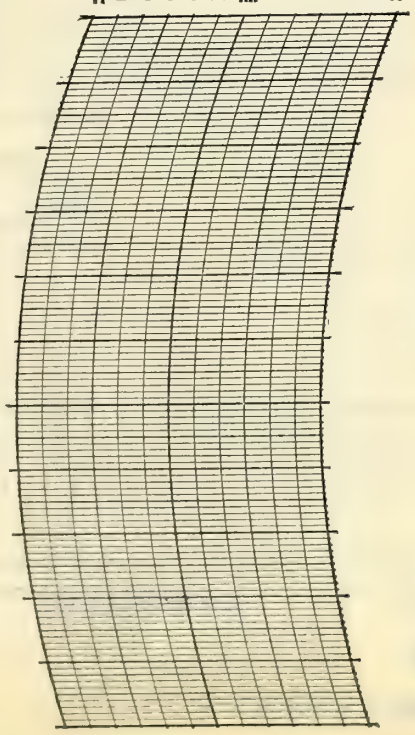
| Maximum Temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 86 | 60 | 73 | |

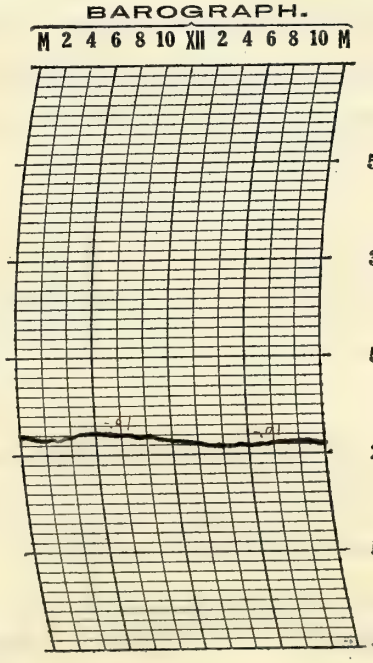
Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Pt Cloudy Moon phase, ----
Average daily cloudiness (0–10), 4
Actual sunshine, hours, 13.8 Possible sunshine, hours, 14.9
Per cent of possible sunshine, 93
Prevailing wind direction, NE Total wind, 164
Average hourly velocity, 6.8 Extreme velocity, 10
Maximum velocity, 10 Direction, NE
Time began, 5:50 a.m.
Reduced barometer, 30.01 7 a. m. 29.94 7 p. m.
River gage, 1.3 feet
Relative humidity, 73 7 a. m. 33 7 p. m.

OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 81.5 Wet temperature, 62.0
Dew-point, 49 R. humidity, 32 V. pressure, .342
Clouds: Amount, 2 cu st; Kind, Cu Cu; Direction, W
Velocity of clouds (miles per hour)

THERMOGRAPH
M 2 4 6 8 10 XII 2 4 6 8 10 M
90 80 70 60




Prepared by L. C. L.
Verified by

8—486

## NOTES

Flying conditions were very good to excellent all day.

Form No. 1014—Met'1

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Thursday, (Date) JUL 13 1933, 193

Time (local standard) 90 mer. normal time.

| | A.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 | P.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Temperature at end of hour | 68 | 66 | 65 | 64 | 63 | 65 | 68 | 73 | 77 | 82 | 85 | 86 | 86 | 86 | 87 | 88 | 86 | 85 | 84 | 82 | 80 | 78 | 77 | 75 |
| State of weather. Nature of precipitation and time of beginning and ending | | | | | | | | | | | | | | | | | | | | | | | | |
| Amounts of precipitation | | | | | | | | | | | | | | | | | | | | | | | | |
| Cloudiness and other conditions | | | | | | | | | | | | Clear | | | | | × Cloudy | | | × Clear | | | | |
| Sunrise: Time, 4:20 Character, clear. Moonrise: | | | | | | | | | | | | | | | | | | | | | Sunset: Time, 7:13 Character, Cloudy. Moonset: | | | |
| Sunshine (in tenths of hours) | | | | | .6 7 0 | 1.0 0 | 0.2 0.8 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 0.6 | 0.2 | 0 | 0 | | | | |
| Wind direction | E | E | E | E | E | E | E | E | E | SE | SE | E | SE | SE | SE | SE | SE | SE | SE | SE | SE | SE | SE | SE |
| Wind movement | 8 | 7 | 4 | 3 | 5 | 6 | 5 | 4 | 4 | 9 | 8 | 8 | 7 | 9 | 8 | 7 | 8 | 6 | 5 | 5 | 4 | 2 | 5 | 6 |
| Maximum velocities (exceeding 24 miles) direction and time | | | | | | | | | | | | | | | | | | | | | | | | |

Wind data corrected to true velocity.

| Total duration. From— | To— | Total amount of precipitation. | Excessive rate. Began— | Ended— | Amount before excessive began. |
|---|---|---|---|---|---|
| | | | | | |

Excessive precipitation, accumulated amounts

Accumulated depths during excessive rate, for consecutive periods of time indicated below.

| 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | |

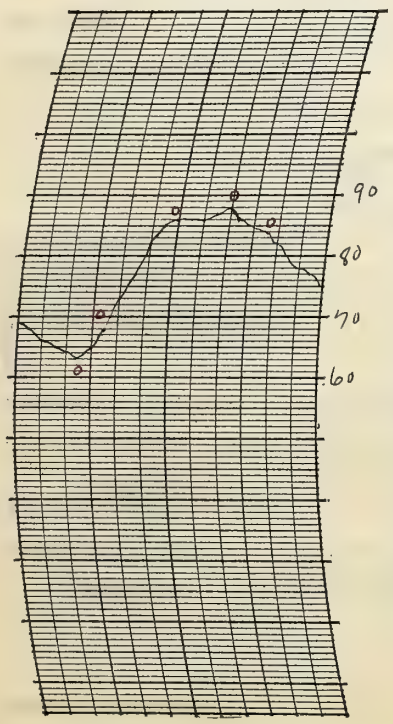
| Maximum Temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 88 | 63 | 76 | |

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Clear Moon phase,
Average daily cloudiness (0-10), 2
Actual sunshine, hours, 12.5 Possible sunshine, hours, 14.9
Per cent of possible sunshine, 84
Prevailing wind direction, SE Total wind, 143
Average hourly velocity, 6.0 Extreme velocity, 12
Maximum velocity, 12 Direction, SE
Time began, 1:31 P.m.
Reduced barometer, 30.00 7 a. m. 29.90 7 p. m.
River gage, 0.6 feet
Relative humidity, 67 7 a. m. 35 7 p. m.

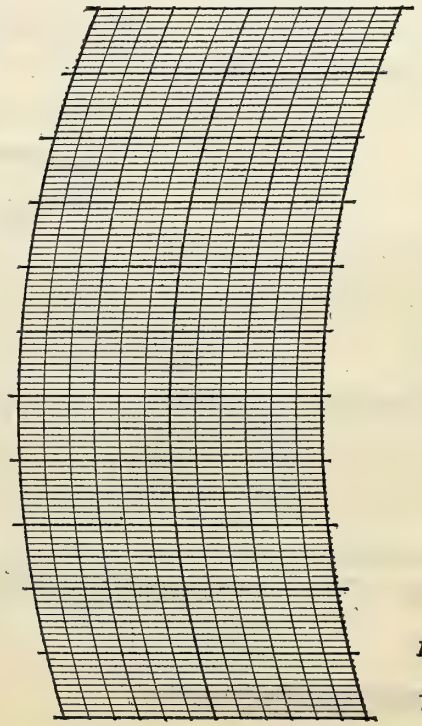
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 86.0 Wet temperature, 63.5
Dew-point, 48 R. humidity, 28 V. pressure, 334
Clouds: Amount, 0; Kind, 0; Direction, 0
Velocity of clouds (miles per hour)

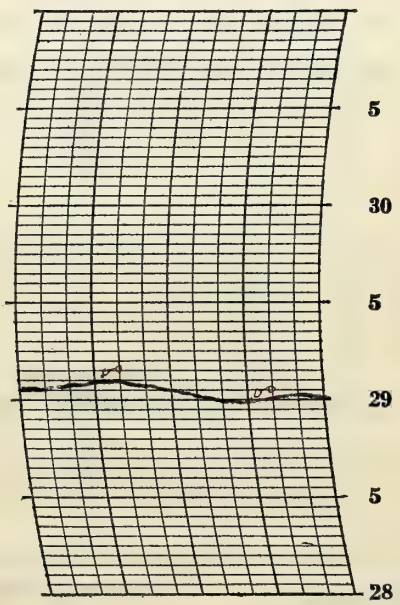
THERMOGRAPH




THERMOGRAPH




BAROGRAPH.




Prepared by L. C. S.

Verified by W.

8—486

## NOTES

Flying Conditions Were Very good all day

Form No. 1014—Met'1

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Friday, (Date) JUL 14 1933, 193

Time (local standard) 90 mer. normal time.

| | A.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 | P.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Temperature at end of hour | 73 | 72 | 71 | 69 | 69 | 69 | 70 | 72 | 77 | 81 | 85 | 87 | 89 | 89 | 92 | 92 | 91 | 89 | 86 | 84 | 81 | 75 | 74 | 72 |
| State of weather. Nature of precipitation and time of beginning and ending | | | | | | | | | | | | | | | | | | | | | | | | |
| Amounts of precipitation | | | | | | | | | | | | | | | | | | | | | | | | |
| Cloudiness and other conditions | | | | | | ← Pt Cloudy | | | | | | | | | | | | x Cloudy | | | → | | | |
| Sunshine (in tenths of hours) | | | | | 0 | 0 | 0 | 0.4 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 0.1 | 0 | 0 | | | | |
| Wind direction | SE | SE | SE | S | S | S | S | S | S | S | S | S | S | SW | N | SW | SE | NE | SE | SE | SE | NW | N | NW |
| Wind movement | 5 | 8 | 8 | 3 | 3 | 2 | 4 | 6 | 7 | 8 | 8 | 6 | 7 | 7 | 5 | 5 | 5 | 5 | 7 | 9 | 9 | 14 | 10 | 9 |
| Maximum velocities (exceeding 24 miles) direction and time | | | | | | | | | | | | | | | | | | | | | | | | |

Sunrise: Time, 4:21 Character, Cloudy. Moonrise:

Sunset: Time, 7:13 Character, Cloudy. Moonset:

Wind data corrected to true velocity.

| Excessive precipitation, accumulated amounts | Total duration. From— | To— | Total amount of precipitation. | Excessive rate. Began— | Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | | | | | | |

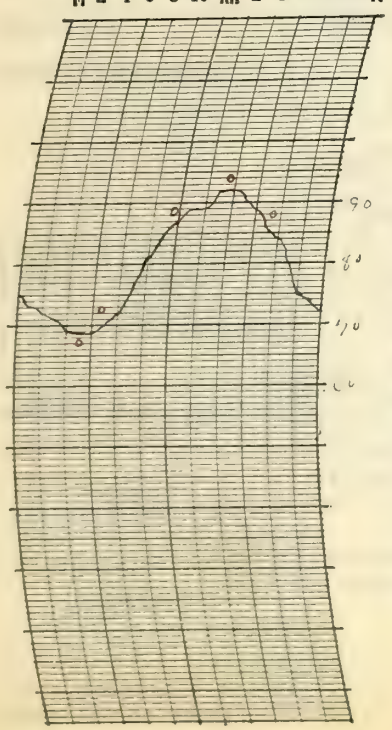
| Maximum Temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 92 | 69 | 80 | |

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Pt Cloudy Moon phase,
Average daily cloudiness (0-10), 6
Actual sunshine, hours, 9.5 Possible sunshine, hours, 14.9
Per cent of possible sunshine, 64
Prevailing wind direction, S Total wind, 160
Average hourly velocity, 6.7 Extreme velocity, 18
Maximum velocity, 17 Direction, NW
Time began, 9:27 P.M.
Reduced barometer, 29.91 7 a. m. 29.78 7 p. m.
River gage, 0.4 feet
Relative humidity, 71 7 a. m. 34 7 p. m.

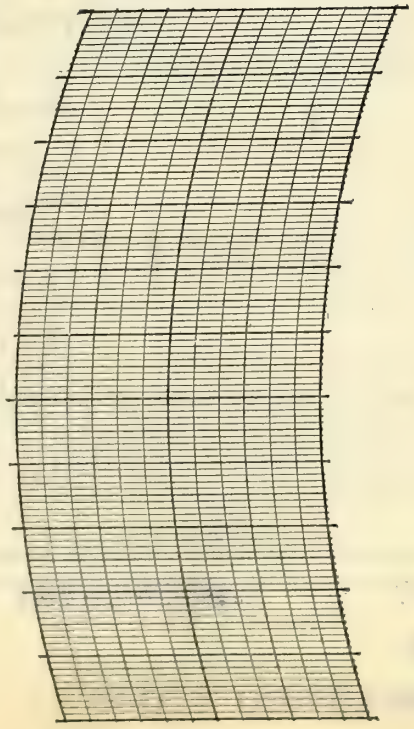
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 86.8 Wet temperature, 65.8
Dew-point, 54 R. humidity, 32 V. pressure, 417
Clouds: Amount, 4; Kind, a cu Cicu; Direction, S
Velocity of clouds (miles per hour)

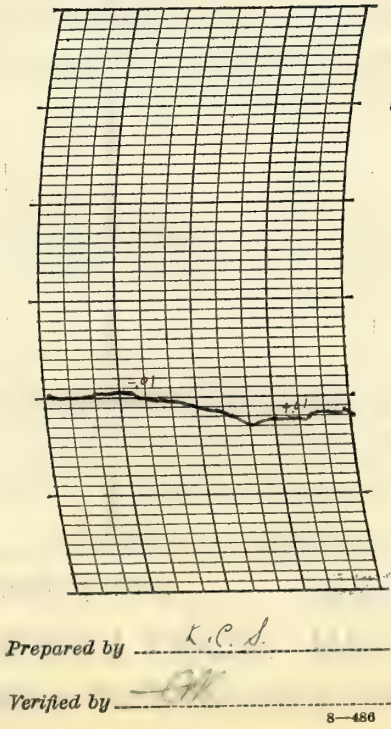
THERMOGRAPH




THERMOGRAPH




BAROGRAPH.




Prepared by K. C. S.

Verified by

8—486

## NOTES

Solar Halo first observed at 6:30 a.m. was intermittent

Day was suitable for flying

Form No. 1014—Met'l

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Saturday, (Date) JUL 15 1933, 193

Time (local standard) 90 mer. normal time.

| | A.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 | P.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Temperature at end of hour | 72 | 69 | 67 | 66 | 67 | 67 | 67 | 67 | 71 | 74 | 77 | 82 | 85 | 86 | 86 | 86 | 84 | 82 | 79 | 73 | 72 | 68 | 66 | 65 |
| State of weather. Nature of precipitation and time of beginning and ending | RB DNA | | RE DNA | | | | | | | | | | | | | | | | | | | | | |
| Amounts of precipitation | .01 | .05 | .04 | | | | | | | | | | | | | | | | | | | | | |
| Cloudiness and other conditions | | | | | | ← Cloudy | | → | P+Cloudy | | | | ← Clear | | | | | | P+Cloudy → | | | | | |
| Sunrise: Time, Character, 4:21 Cloudy. Moonrise: | | | | | | | | | | | | | | | | | | | | | Sunset: Time, Character, 7:12 Clear. Moonset: | | | |
| Sunshine (in tenths of hours) | | | | | 0 | 0 | 0 | 0.9 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 0.2 0.8 | 1.0 0 | .20 0 | | | | |
| Wind direction | N | NE | NE | NW | N | N | NW | NW | NW | NW | N | NW | NW | NW | NW | NW | NW | NW | NW | NW | NW | NW | NW | NW |
| Wind movement | 6 | 7 | 6 | 5 | 5 | 3 | 6 | 7 | 8 | 7 | 6 | 6 | 9 | 8 | 10 | 10 | 11 | 12 | 10 | 12 | 9 | 8 | 6 | 5 |
| Maximum velocities (exceeding 24 miles) direction and time | | | | | | | | | | | | | | | | | | | | | | | | |

Wind data corrected to true velocity.

| Total duration. From— | To— | Total amount of precipitation. | Excessive rate. Began— | Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | | | | | |

Excessive precipitation, accumulated amounts

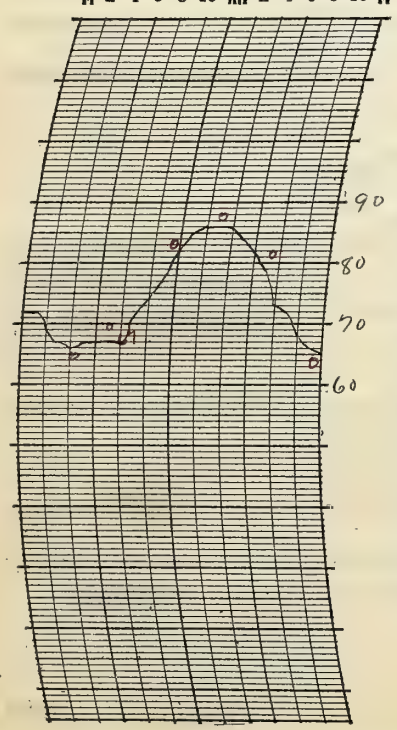
| Maximum Temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 86 | 65 | 76 | |

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., .10 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, .10 inches.
Character of day, P+ Cloudy Moon phase,
Average daily cloudiness (0-10) 5
Actual sunshine, hours, 12.1 Possible sunshine, hours, 14.8
Per cent of possible sunshine, 82
Prevailing wind direction, NW Total wind, 182
Average hourly velocity, 7.6 Extreme velocity, 14
Maximum velocity, 14 Direction, NW
Time began, 4:24 P m
Reduced barometer, 29.87 7 a. m. 29.84 7 p. m.
River gage, 0.5 feet
Relative humidity, 90 7 a. m. 41 7 p. m.

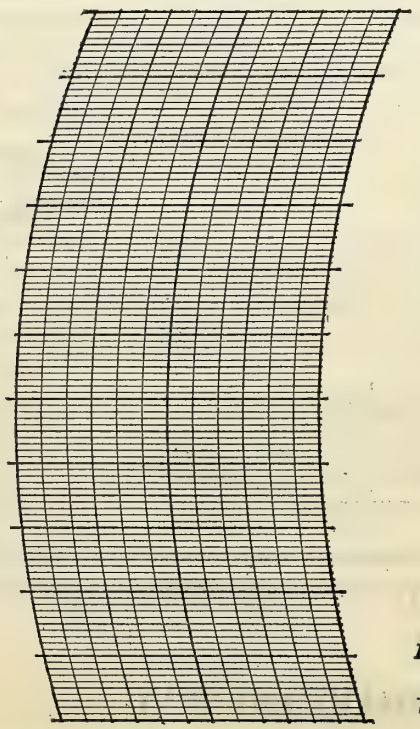
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 82.0 Wet temperature, 65.8
Dew-point, 57 R. humidity, 42 V. pressure, 465
Clouds: Amount, 4; Kind, Acu; Direction, W
Velocity of clouds (miles per hour)

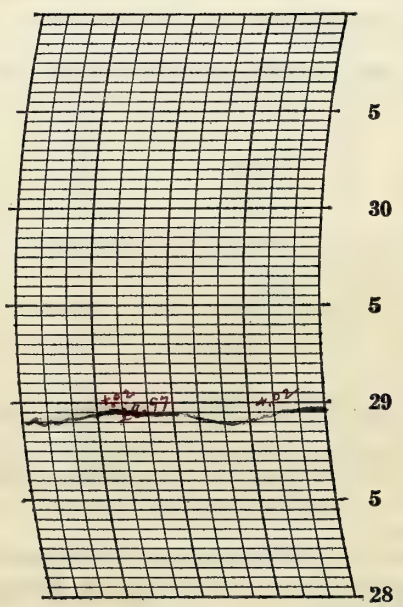
THERMOGRAPH




THERMOGRAPH




BAROGRAPH.




Prepared by L. C. S.

Verified by

8—486

## NOTES

Flying conditions were excellent all day

Form No. 1014—Met'1

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(Station) Fort Wayne Ind., (Day of week) Sunday, (Date) JUL 16 1933, 193

Time (local standard) 90 mer. normal time.

| | A.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 | P.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Temperature at end of hour | 64 | 62 | 62 | 59 | 59 | 59 | 65 | 68 | 72 | 74 | 76 | 74 | 74 | 75 | 76 | 74 | 74 | 72 | 70 | 67 | 65 | 63 | 61 | 60 |
| State of weather. Nature of precipitation and time of beginning and ending | | | | | | | | | | | | RB 11:35 RE 11:40 | | | | | | | | | | | | |
| Amounts of precipitation | | | | | | | | | | | | T | | | | | | | | | | | | |
| Cloudiness and other conditions | | | | | | ← Clear | | — × Pt Cloudy | | — × Cloudy | | | × Pt Cldy | | | × Clear | | | | | | | | |
| Sunrise: Time, 4:22 Character, Clear | | | | | | | | | | | | | | | | | | | | | Sunset: Time, 7:11 Character, Clear | | | |
| Moonrise: | | | | | | | | | | | | | | | | | | | | | Moonset: | | | |
| Sunshine (in tenths of hours) | | | | | .63 0 | 0.9 0.1 | 1.0 | 1.0 | 1.0 | 1.0 | 0.8 | 0.6 | 0.4 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 0.9 0.1 | .18 0 | | | | |
| Wind direction | NW | NW | NW | NW | NW | NW | NW | NW | NW | NW | NW | NW | NW | NW | NW | NW | NW | NW | NW | NW | NW | NW | NW | NW |
| Wind movement | 5 | 4 | 3 | 4 | 3 | 5 | 7 | 9 | 11 | 11 | 12 | 14 | 12 | 12 | 13 | 12 | 13 | 12 | 11 | 7 | 5 | 4 | 3 | 3 |
| Maximum velocities (exceeding 24 miles) direction and time | | | | | | | | | | | | | | | | | | | | | | | | |

Wind data corrected to true velocity.

| Total duration. From— | To— | Total amount of precipitation. | Excessive rate. Began— | Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | | | | | |

Excessive precipitation, accumulated amounts

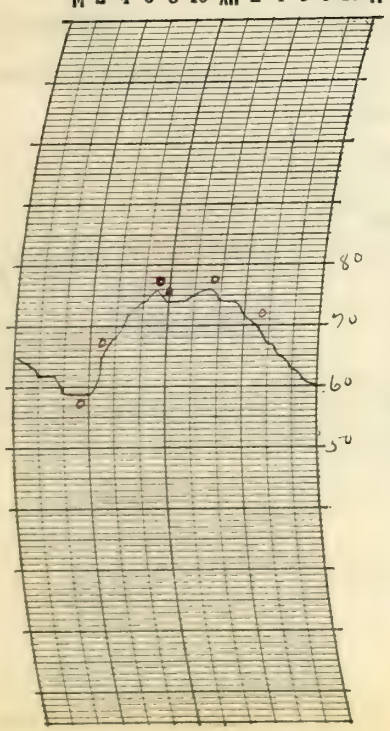
| Maximum Temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 76 | 59 | 68 | |

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., T ins.
Total precipitation, midnight to midnight, T inches.
Character of day, Pt Cloudy Moon phase,
Average daily cloudiness (0-10), 6.4
Actual sunshine, hours, 13.6 Possible sunshine, hours, 14.8
Per cent of possible sunshine, 92
Prevailing wind direction, NW Total wind, 195
Average hourly velocity, 8.1 Extreme velocity, 18
Maximum velocity, 17 Direction, NW
Time began, 11:46 a. m.
Reduced barometer, 29.92 7 a. m. 29.99 7 p. m.
River gage, 0.4 Feet
Relative humidity, 74 7 a. m. 42 7 p. m.

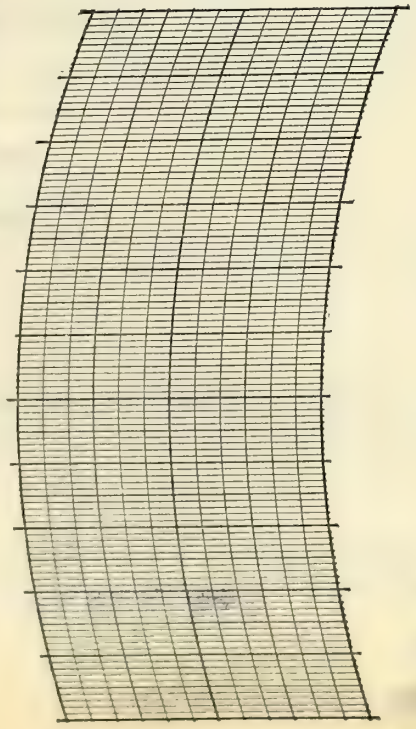
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 74.0 Wet temperature, 61.2
Dew-point, 53 R. humidity, 48 V. pressure, 402
Clouds: Amount, 4; Kind, Cu; Direction, NW
Velocity of clouds (miles per hour)

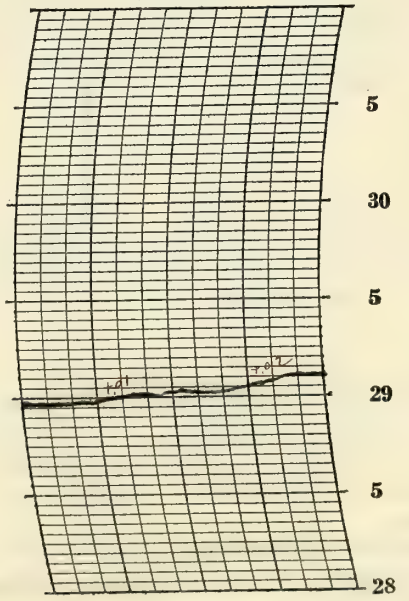
THERMOGRAPH




THERMOGRAPH




BAROGRAPH.




Prepared by L. C. S.

Verified by

8—486

## NOTES

Flying conditions were good all day. Ceilings around 3,000 ft and Visibility 15 miles.

Form No. 1014—Met'l

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Monday, (Date) JUL 17 1933, 193

Time (local standard) 90 mer. normal time.

| | A.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 | P.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Temperature at end of hour | 60 | 59 | 57 | 57 | 56 | 55 | 58 | 62 | 68 | 72 | 75 | 77 | 78 | 79 | 81 | 81 | 82 | 83 | 82 | 80 | 77 | 76 | 72 | 70 | 69 |
| State of weather. Nature of precipitation and time of beginning and ending | | | | | | | | | | | | | | | | | | | | | | | | | |
| Amounts of precipitation | | | | | | | | | | | | | | | | | | | | | | | | | |
| Cloudiness and other conditions | | | | | | ← Clear | | | | | | Pt+Cloudy ac u | | | | | | × Clear | | | | | | → |
| Sunshine (in tenths of hours) | | | | | .62 0 | 0.9 0.1 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 0.9 | 0.7 | 0.9 | 0.9 | 0.2 0.8 | 1.0 0 | .18 0 | | | | |
| Wind direction | NW | NW | NW | NW | NW | NW | NW | NW | W | W | W | W | W | W | W | NW | NW | NW | NW | NW | NW | 0 | NW | NW |
| Wind movement | 4 | 4 | 3 | 4 | 3 | 3 | 4 | 6 | 6 | 8 | 9 | 10 | 10 | 9 | 9 | 10 | 9 | 9 | 6 | 4 | 3 | 1 | 3 | 2 |
| Maximum velocities (exceeding 24 miles) direction and time | | | | | | | | | | | | | | | | | | | | | | | | |

Sunrise: Time, 4:23; Character, Clear. Moonrise: ____

Sunset: Time, 7:11; Character, Clear. Moonset: ____

Wind data corrected to true velocity.

| Total duration. From— | To— | Total amount of precipitation. | Excessive rate. Began— | Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | | | | | |

Excessive precipitation, accumulated amounts

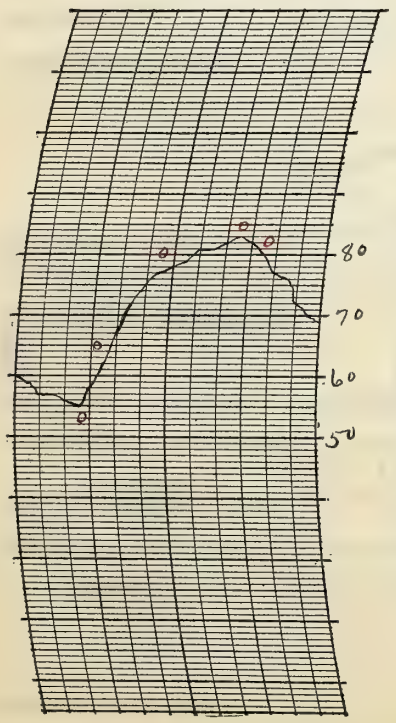
| Maximum Temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 83 | 55 | 69 | |

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Clear Moon phase, ____
Average daily cloudiness (0-10), 2
Actual sunshine, hours, 14.2 Possible sunshine, hours, 14.8
Per cent of possible sunshine, 96
Prevailing wind direction, NW Total wind, 139
Average hourly velocity, 5.8 Extreme velocity, 18
Maximum velocity, 17 Direction, W
Time began, 10:28 a. m.
Reduced barometer, 30.10 7 a. m. 30.03 7 p. m.
River gage, 0.4 Feet
Relative humidity, 62 7 a. m. 35 7 p. m.

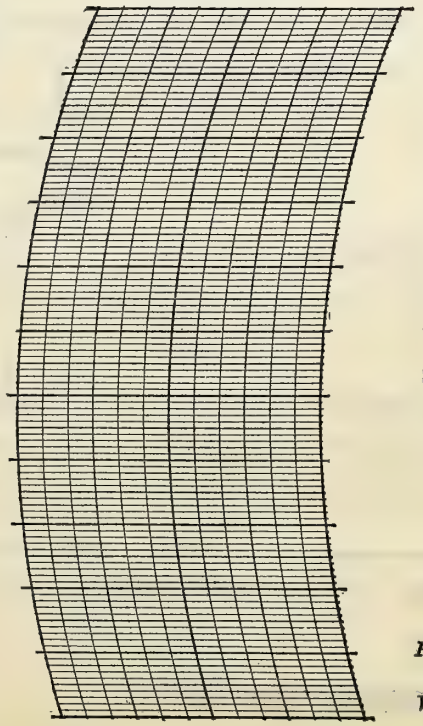
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 78.0 Wet temperature, 60.5
Dew-point, 48 R. humidity, 35 V. pressure, .334
Clouds: Amount, 4; Kind, a Cu; Direction, W
Velocity of clouds (miles per hour) ____

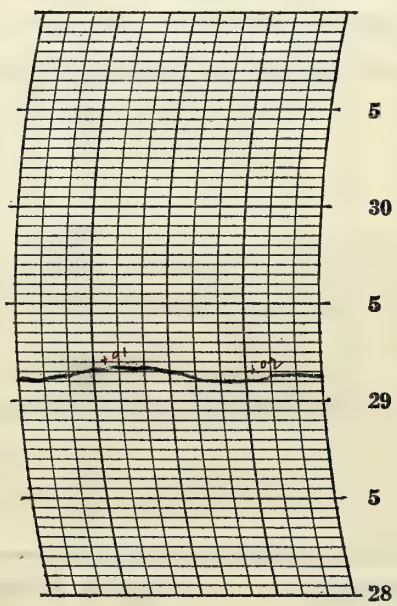
THERMOGRAPH




THERMOGRAPH




BAROGRAPH.




Prepared by R. C. S.

Verified by ____

8—486

## NOTES

Flying conditions very good to excellent all day.

Form No. 1014—Met'1

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Tuesday, (Date) JUL 18 1933, 193

Time (local standard) 90 mer. normal time.

| | A.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 | P.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Temperature at end of hour | 69 | 66 | 66 | 67 | 66 | 63 | 65 | 67 | 70 | 75 | 81 | 84 | 85 | 86 88 | 86 | 86 | 80 | 80 | 80 | 79 | 77 | 75 | 74 | 72 | 70 |
| State of weather. Nature of precipitation and time of beginning and ending | | | | | | | | | | | | | | | | | RB 3:30 RE 4:15 RB 4:45 RE 5:00 | | | | | | | |
| Amounts of precipitation | | | | | | | | | | | | | | | | | T | | | | | | | |
| Cloudiness and other conditions | | | | | | ← Cloudy | | × Pt Cldy | | × Clear | | × Pt Cloudy | | | | | × Cloudy | | | × Clear → | | | | |
| | | | | | | Cu | Cu | St | | | | | | | | | Cu | | | | | | | |
| Sunshine (in tenths of hours) | | | | | 0 | 0 | 0 | 0.6 | 1.0 | 1.0 | 1.0 | 0.9 | 0.8 | 1.0 | 0.5 | 0 | 0 | 0.1 | 0 | 0 | | | | |
| Wind direction | NW | NW | N | N | N | N | N | SW | SW | W | W | W | W | SW | SW | NE | NE | NE | NE | SE | SE | SE | SE | S |
| Wind movement | 3 | 3 | 3 | 3 | 3 | 4 | 5 | 7 | 7 | 8 | 9 | 9 | 9 | 12 | 12 | 10 | 8 | 6 | 4 | 7 | 5 | 4 | 8 | 8 |
| Maximum velocities (exceeding 24 miles) direction and time | | | | | | | | | | | | | | | | | | | | | | | | |

Sunrise: Time, 4:24 Character, Cloudy. Moonrise: ____ ____

Sunset: Time, 7:10 Character, Cloudy. Moonset: ____ ____

Wind data corrected to true velocity.

| Total duration. From— | To— | Total amount of precipitation. | Excessive rate. Began— | Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | | | | | |

Excessive precipitation, accumulated amounts

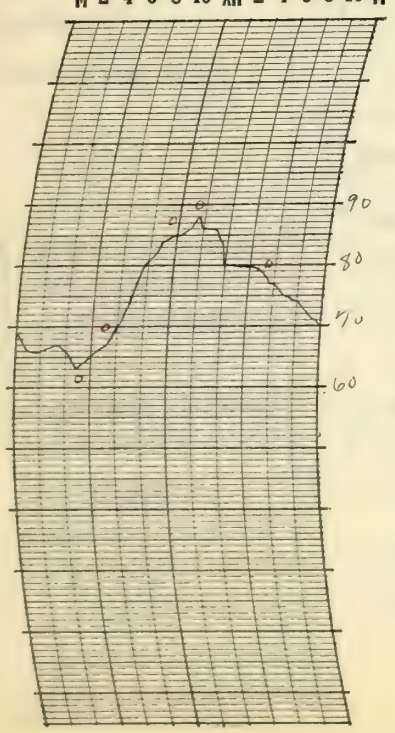
| Maximum Temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 88 | 63 | 76 | |

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., T ins.
Total precipitation, midnight to midnight, T inches.
Character of day, Pt Cloudy Moon phase, ____
Average daily cloudiness (0-10), 6
Actual sunshine, hours, 6.9 Possible sunshine, hours, 14.8
Per cent of possible sunshine, 47
Prevailing wind direction, N Total wind, 157
Average hourly velocity, 6.5 Extreme velocity, 15
Maximum velocity, 15 Direction, SW
Time began, 2:15 P. M.
Reduced barometer, 30.10 7 a. m. 30.08 7 p. m.
River gage, 0.4 Feet
Relative humidity, 59 7 a. m. 44 7 p. m.

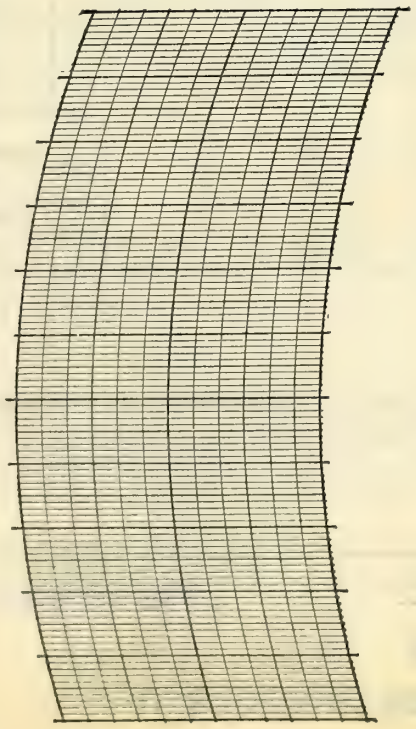
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 85.3 Wet temperature, 63.3
Dew-point, 49 R. humidity, 28 V. pressure, .343
Clouds: Amount, 4; Kind, Cu; Direction, SW
Velocity of clouds (miles per hour)

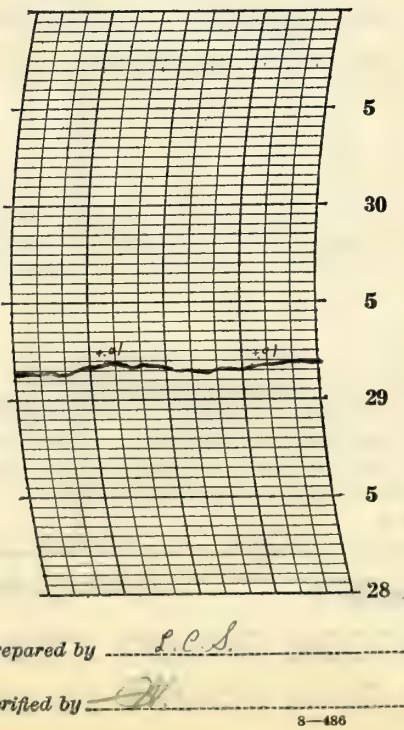
THERMOGRAPH




THERMOGRAPH




BAROGRAPH.




Prepared by L. C. S.

Verified by ____

8—486

## NOTES

Flying conditions were excellent all day.

Form No. 1014—Met'l

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Wednesday, (Date) JUL 19 1933, 193

Time (local standard) 90 mer. normal time.

| | A.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 | P.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Temperature at end of hour | 70 | 69 | 69 | 67 | 67 | 65 | 66 | 68 | 72 | 78 | 82 | 85 | 87 | 88 | 89 | 90 | 90 | 90 | 89 | 87 | 83 | 81 | 77 | 76 | 75 |
| State of weather: Nature of precipitation and time of beginning and ending | | | | | | | | | | | | | | | | | | | | | | | | | |
| Amounts of precipitation | | | | | | | | | | | | | | | | | | | | | | | | | |
| Cloudiness and other conditions | | | | | | ← | | Clear | | | | → | x P+Cloudy | | + | | Clear | | → | | | | | | |
| | | | | | | | | | | | a cu | | | | | | | | a st | | | | | | |
| Sunrise: Time, 4:25 Character, Clear / Moonrise: | | | | | | | | | | | | | | | | | | | | | Sunset: Time, 7:09 Character, Clear / Moonset: | | | |
| Sunshine (in tenths of hours) | | | | | .5 8 0 | 1.0 0 | 0.3 0.7 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 0.2 0.8 | 1.0 0 | .5 0 | | | | |
| Wind direction | S | S | S | S | S | S | S | SW | SW | W | W | W | W | W | SW | SW | W | W | W | W | W | SE | S | S |
| Wind movement | 6 | 7 | 6 | 5 | 5 | 5 | 7 | 8 | 8 | 9 | 10 | 9 | 10 | 9 | 9 | 9 | 9 | 7 | 5 | 2 | 2 | 9 | 9 | 7 |
| Maximum velocities (exceeding 24 miles) direction and time | | | | | | | | | | | | | | | | | | | | | | | | |

| Maximum Temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 90 | 65 | 78 | |

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 1 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Clear Moon phase,
Average daily cloudiness (0-10), 2
Actual sunshine, hours, 14.7 Possible sunshine, hours, 14.7
Per cent of possible sunshine, 100
Prevailing wind direction, W Total wind, 172
Average hourly velocity, 7.2 Extreme velocity, 13
Maximum velocity, 13 Direction, S
Time began, 12:05 P.M.
Reduced barometer, 30.10 7 a. m. 29.98 7 p. m.
River gage, 0.4 feet
Relative humidity, 59 7 a. m. 29 7 p. m.

Wind data corrected to true velocity.

| Total duration. From— | To— | Total amount of precipitation. | Excessive rate. Began— | Ended— | Amount before excessive began. |
|---|---|---|---|---|---|
| | | | | | |

Excessive precipitation, accumulated amounts

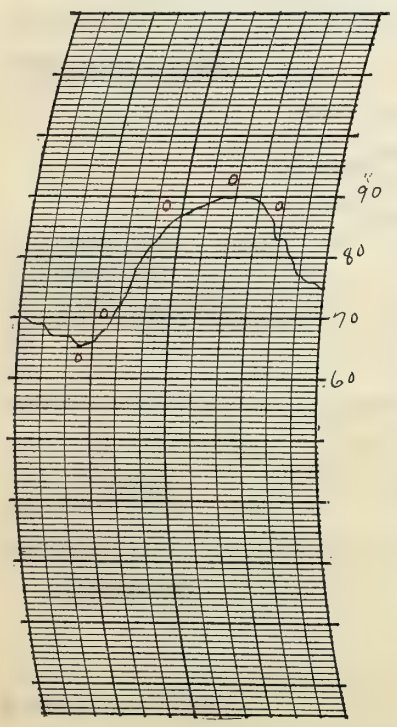
Accumulated depths during excessive rate, for consecutive periods of time indicated below.

| 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | |

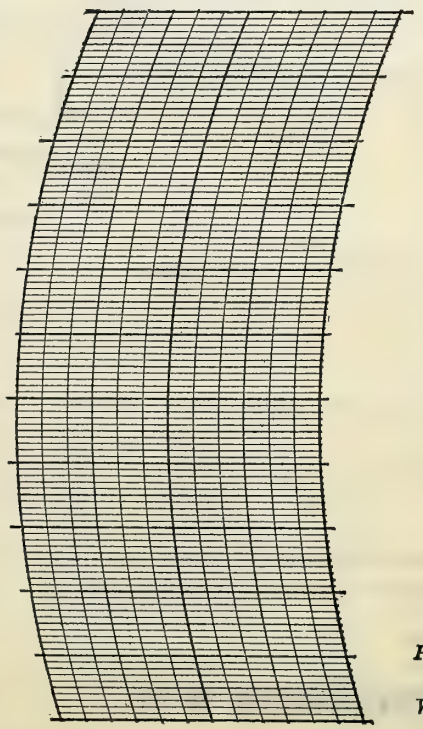
### OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 86.9 Wet temperature, 65.9
Dew-point, 54 R. humidity, 32 V. pressure, 417
Clouds: Amount, 3; Kind, Cu; Direction, S
Velocity of clouds (miles per hour)

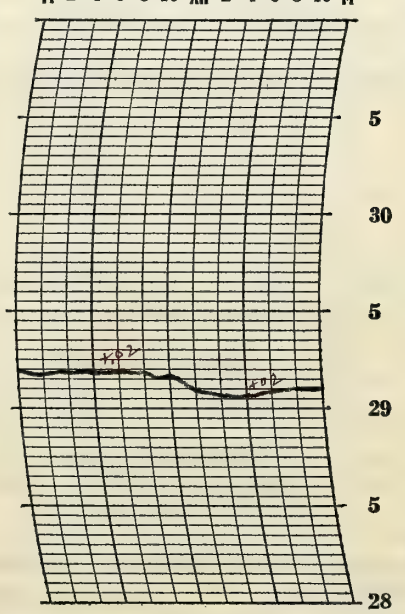
THERMOGRAPH




THERMOGRAPH




BAROGRAPH.




Prepared by L. C. S.

Verified by CW.

8—486

## NOTES

Flying conditions Very good all day

Form No. 1014—Met'1

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(Station) Fort Wayne Ind, (Day of week) Thursday, (Date) JUL 20 1933, 193

Time (local standard) 90 mer. normal time.

| | A.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 | P.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Temperature at end of hour 75 | 72 | 70 | 69 | 68 | 66 | 67 | 71 | 75 | 80 | 85 | 88 | 89 | 90 | 92 | 92 | 92 (93) | 92 | 92 | 90 | 87 | 85 | 82 | 81 | 80 |
| State of weather. Nature of precipitation and time of beginning and ending | | | | | | | | | | | | | | | | | | | | | | | | |
| Amounts of precipitation | | | | | | ← Clear | | | | | | x pt Cloudy | | | | x Clear | | | | | | | → | |
| Cloudiness and other conditions | | | | | | | | | | | | a s+ cd | | | | | | | | | | | | |
| Sunshine (in tenths of hours) | | | | | .57 0 | 1.0 0 | 0.2 0.8 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 0.9 | 1.0 | 1.0 | 1.0 | 1.0 0 | .15 0 | | | | |
| Wind direction | S | S | S | S | S | S | SW | W | W | W | W | W | W | W | W | W | W | NW | NW | NW | NW | NW | NW | NW |
| Wind movement | 6 | 6 | 6 | 7 | 5 | 5 | 7 | 7 | 6 | 7 | 7 | 9 | 8 | 8 | 7 | 8 | 6 | 5 | 5 | 3 | 2 | 3 | 2 | 3 |
| Maximum velocities (exceeding 24 miles) direction and time | | | | | | | | | | | | | | | | | | | | | | | | |

Sunrise: Time, 4:26 Character, Clear
Moonrise:

Sunset: Time, 7:09 Character, Clear
Moonset:

| Wind data corrected to true velocity. | Total duration. From— | To— | Total amount of precipitation. | Excessive rate. Began— | Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Excessive precipitation, accumulated amounts | | | | | | | | | | | | | | | | | | | | |

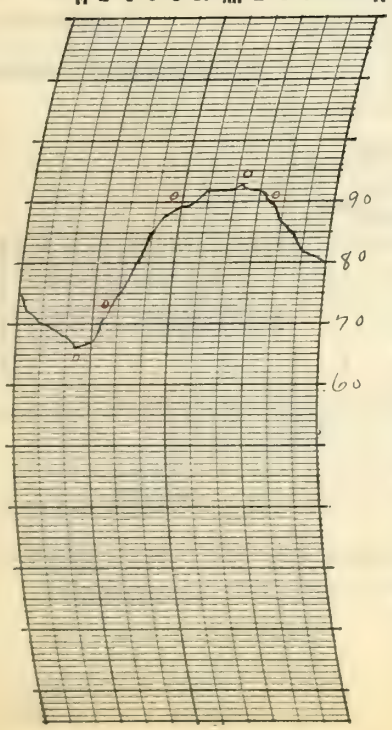
| Maximum Temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 93 | 66 | 80 | |

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Clear Moon phase,
Average daily cloudiness (0-10), 2
Actual sunshine, hours, 14.6 Possible sunshine, hours, 14.7
Per cent of possible sunshine, 99
Prevailing wind direction, W Total wind, 138
Average hourly velocity, 5.8 Extreme velocity, 13
Maximum velocity, 13 Direction, W
Time began, 11:52 a. m.
Reduced barometer, 30.02 7 a. m. 29.90 7 p. m.
River gage, 0.3 Feet
Relative humidity, 56 7 a. m. 34 7 p. m.

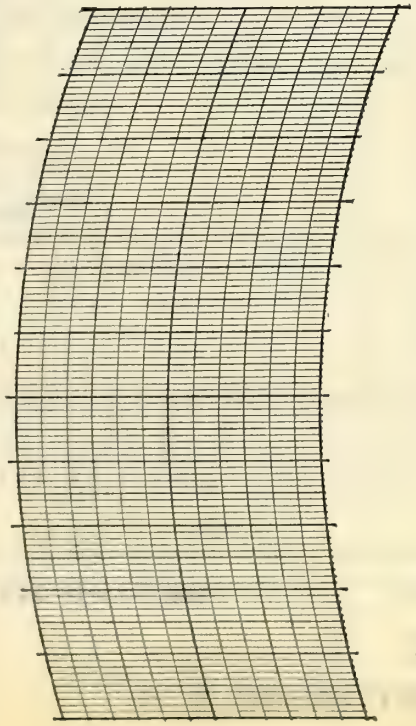
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 88.9 Wet temperature, 68.4
Dew-point, 57 R. humidity, 35 V. pressure, .465
Clouds: Amount, 2 (a 2 St); Kind, Cu; Direction, W (W)
Velocity of clouds (miles per hour)

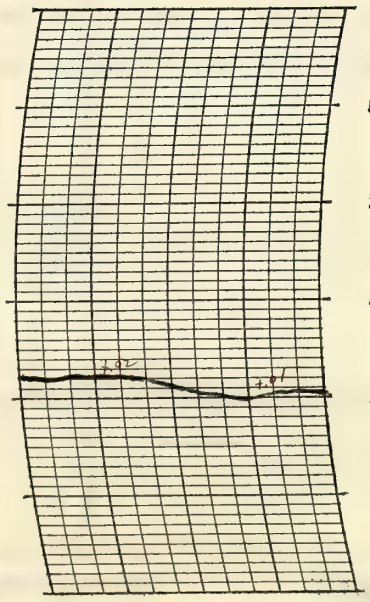
THERMOGRAPH




THERMOGRAPH




BAROGRAPH.




Prepared by P. C. S.

Verified by

8—486

## NOTES

Flying conditions excellent all day

Form No. 1014—Met'l

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(Station) Fort Wayne. Ind., (Day of week) Friday, (Date) JUL 21 1933, 193

Time (local standard) 90 mer. normal time.

| | A.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 | P.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Temperature at end of hour 80 | 77 | 76 | 75 | 73 | 72 | 73 | 76 | 79 | 82 | 88 | 91 | 94 | 92 | 93 | 94 | 93 | 93 | 93 | 91 | 87 | 85 | 83 | 80 | 78 |
| State of weather. Nature of precipitation and time of beginning and ending | | | | | | | | | | | | | | | | | | | | | | | | |
| Amounts of precipitation | | | | | | | | | | | | | | | | | | | | | | | | |
| Cloudiness and other conditions | | | | | | ← Clear | | | | | × P+Cloudy | | | | | | | | | | → | | | |
| | Sunrise: Time, 4:27 Character, Clear Moonrise: | | | | | | a cu | | | | St Cu | | | | | | | | Ci & Cu | | Sunset: Time, 7:08 Character, Cloudy Moonset: | | | |
| Sunshine (in tenths of hours) | | | | | .55 0 | 1.0 0 | 0.4 0.6 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 0.8 | 1.0 | 1.0 | 0.9 | 1.0 | 0.3 | 0 | 0 | | | | |
| Wind direction | NW | NW | NW | NW | NW | NW | W | SW | SW | SW | W | W | W | W | W | W | SW | NW | NW | N | N | N | N | N |
| Wind movement | 4 | 7 | 7 | 7 | 8 | 7 | 8 | 8 | 9 | 8 | 9 | 9 | 11 | 12 | 12 | 9 | 8 | 7 | 5 | 6 | 5 | 5 | 5 | 3 |
| Maximum velocities (exceeding 24 miles) direction and time | | | | | | | | | | | | | | | | | | | | | | | | |

Wind data corrected to true velocity.

| Total duration. From— | To— | Total amount of precipitation. | Excessive rate. Began— | Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | | | | | |

Excessive precipitation, accumulated amounts

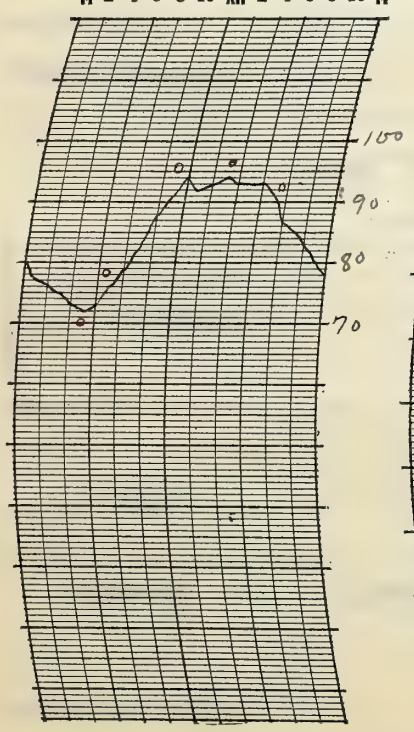
| Maximum Temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 94 | 72 | 83 | |

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Clear Moon phase,
Average daily cloudiness (0-10), 3
Actual sunshine, hours, 12.6 Possible sunshine, hours, 14.7
Per cent of possible sunshine, 86
Prevailing wind direction, NW Total wind, 179
Average hourly velocity, 7.5 Extreme velocity, 15
Maximum velocity, 15 Direction, NW
Time began, 2:26 P. M.
Reduced barometer, 29.93 7 a. m. 29.88 7 p. m.
River gage, 1.3 feet
Relative humidity, 59 7 a. m. 35 7 p. m.

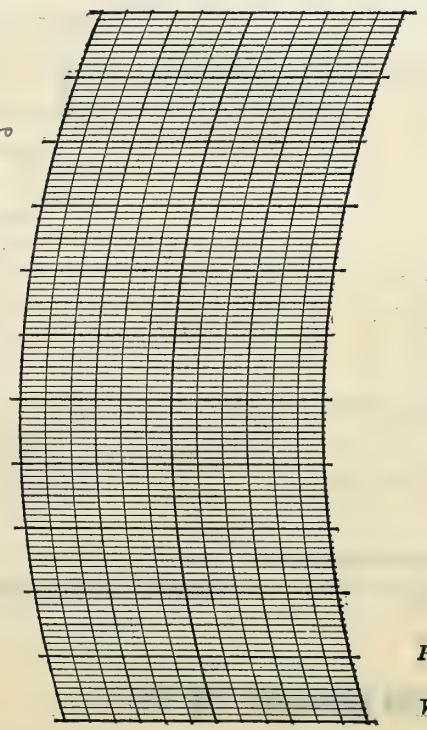
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 93.9 Wet temperature, 70.1
Dew-point, 57 R. humidity, 30 V. pressure, 465
Clouds: Amount, 4; Kind, St Cu; Direction, SW
Velocity of clouds (miles per hour)

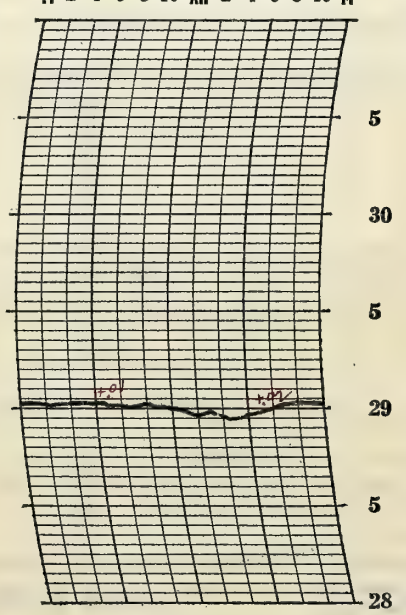
THERMOGRAPH




THERMOGRAPH




BAROGRAPH.




Prepared by L. C. S.

Verified by

8—486

## NOTES

Flying Conditions Very good to excellent

Form No. 1014—Met'1

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Saturday, (Date) JUL 22 1933, 193

Time (local standard) 90 mer. normal time.

| | A.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 | P.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Temperature at end of hour 78 | 77 | 77 | 76 | 75 | 73 | 74 | 78 | 81 | 87 | 91 | 93 | 95 | 97 | 98 | 97 | 97 | 96 | 96 | 93 | 85 | 83 | 81 | 80 | 79 |
| State of weather. Nature of precipitation and time of beginning and ending | | | | | | | | | | | | | | | | | | | | | | | | |
| Amounts of precipitation | | | | | | | | | | | | | | | | | | | | | | | | |
| Cloudiness and other conditions | | | | | | | Ci | | | | Clear | Cu | | | | | Clear | | Ci Cu | | | | | |
| Sunrise: Time, Character, 4:27 Clear. Moonrise: | | | | | | | | | | | | | | | | | | | | | Sunset: Time, Character, 7:07 Clear. Moonset: | | | |
| Sunshine (in tenths of hours) | | | | | .55 0 | 1.0 0 | 0.5 0.5 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 0.6 | 1.0 | 0.9 | 0.4 0.6 | 1.0 0 | .12 0 | | | | |
| Wind direction | N | N | 0 | N | N | N | N | N | N | N | W | W | NW | NW | W | W | SW | W | W | NE | NE | E | E | E |
| Wind movement | 3 | 3 | 1 | 3 | 3 | 2 | 3 | 4 | 4 | 3 | 8 | 9 | 9 | 8 | 6 | 6 | 6 | 6 | 6 | 6 | 5 | 5 | 5 | 4 |
| Maximum velocities (exceeding 24 miles) direction and time | | | | | | | | | | | | | | | | | | | | | | | | |

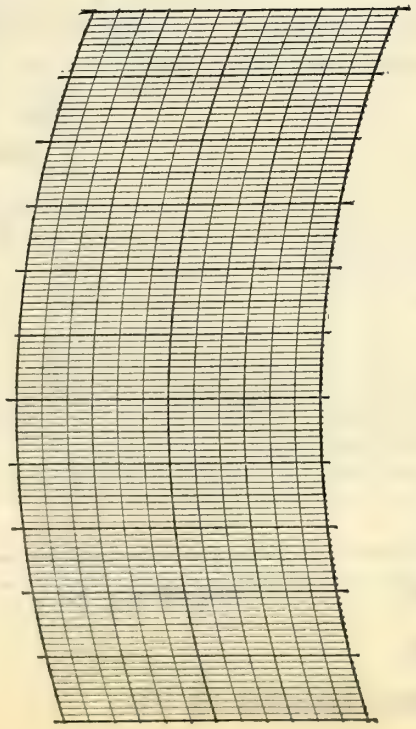
| Wind data corrected to true velocity. | Total duration. From— | To— | Total amount of precipitation. | Excessive rate. Began— | Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Excessive precipitation, accumulated amounts | | | | | | | | | | | | | | | | | | | | |

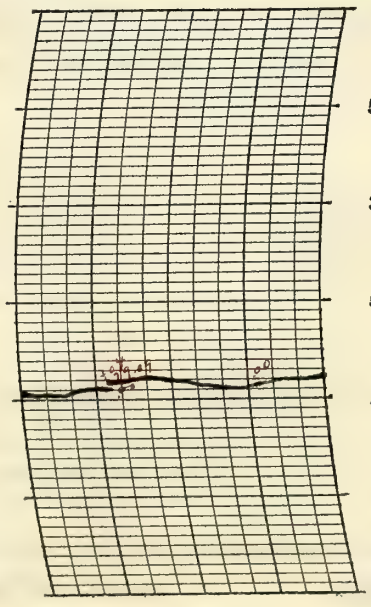
| Maximum Temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 98 | 73 | 86 | |

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Clear Moon phase,
Average daily cloudiness (0-10), 3
Actual sunshine, hours, 14.2 Possible sunshine, hours, 14.7
Per cent of possible sunshine, 97
Prevailing wind direction, N Total wind, 118
Average hourly velocity, 4.9 Extreme velocity, 12
Maximum velocity, 12 Direction, NW
Time began, 12:20 P. m.
Reduced barometer, 29.98 7 a. m. 29.97 7 p. m.
River gage, 0.3 feet
Relative humidity, 67 7 a. m. 35 7 p. m.

OBSERVATIONS AT 12 NOON.
(Local Mean Time.)
Dry temperature, 94.8 Wet temperature, 70.8
Dew-point, 59 R. humidity, 30 V. pressure, .499
Clouds: Amount, 3; Kind, Cu; Direction, W
Velocity of clouds (miles per hour)

THERMOGRAPH
M 2 4 6 8 10 XII 2 4 6 8 10 M
100 90 80 70




Prepared by L.C.S.
Verified by

8—486

## NOTES

Flying conditions good all day. no heat prostrations are reported as having occurred in this vicinity although temperatures was extremely high.

Form No. 1014—Met'l

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Sunday, (Date) JUL 23 1933, 193

Time (local standard) 90 mer. normal time.

| | A.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 | P.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Temperature at end of hour | 79 | 78 | 76 | 76 | 76 | 74 | 75 | 78 | 84 | 89 | 92 | 94 | 96 | 97 | 98 | 98 | 90 | 86 | 80 | 78 | 75 | 75 | 74 | 74 | 72 |
| State of weather. Nature of precipitation and time of beginning and ending | | | | | | | | | | | | | | | | | RB 3:40 | | RE 5:30 | | | RB 8:15 | | | R ended |
| Amounts of precipitation | | | | | | | | | | | | | | | | | T | T | .01 | | | T | T | T | .16 |
| Cloudiness and other conditions | | | | | | ← Clear | | | → Pt Cloudy | | | | | | | → Cloudy | | | | | | | | | |
| | | | | | | | | | | | St Cu | | | | | | St+Cu | | | | | | | | |
| Sunshine (in tenths of hours) | | | | | .53 0 | 1.0 0 | 0.3 0.7 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 0.9 | 0.9 | 1.0 | 0.8 | 0.1 | 0 | 0 | 0 | | | | |
| Wind direction | E | E | N | N | N | N | SW | SW | SW | SW | W | W | W | W | SW | SW | NW | NW | N | N | NE | NE | NE | NE |
| Wind movement | 4 | 4 | 4 | 3 | 2 | 5 | 8 | 8 | 7 | 9 | 11 | 12 | 12 | 12 | 13 | 13 | 12 | 11 | 12 | 11 | 9 | 5 | 5 | 7 |
| Maximum velocities (exceeding 24 miles) direction and time | | | | | | | | | | | | | | | | | | | | | | | | |

Sunrise: Time, 4:28 Character, Clear. Moonrise:

Sunset: Time, 7:06 Character, Cloudy. Moonset:

Wind data corrected to true velocity.

| Total duration. From— | To— | Total amount of precipitation. | Excessive rate. Began— | Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | | | | | |

Excessive precipitation, accumulated amounts

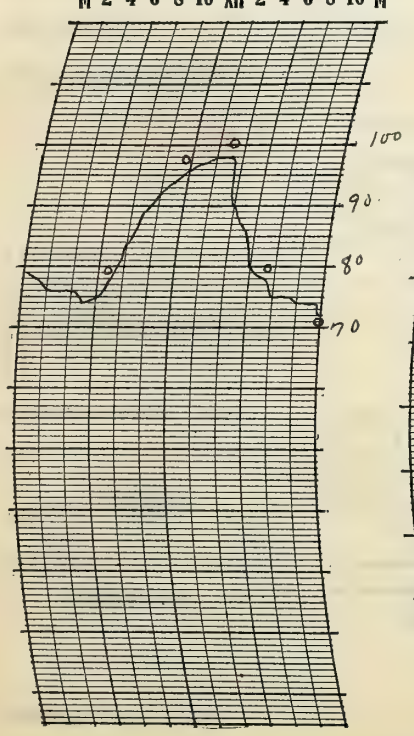
| Maximum Temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 98 | 72 | 85 | |

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0.1 ins.
Total precipitation, midnight to midnight, 0.17 inches.
Character of day, Pt Cloudy Moon phase,
Average daily cloudiness (0-10), 5
Actual sunshine, hours, 11.2 Possible sunshine, hours, 14.6
Per cent of possible sunshine, 77
Prevailing wind direction, N to SW Total wind, 199
Average hourly velocity, 8.3 Extreme velocity, 17
Maximum velocity, 16 Direction, SW
Time began, 3:41 P.m.
Reduced barometer, 30.06 7a. m. 30.02 7p. m.
River gage, 0.2 feet
Relative humidity, 60 7a. m. 73 7p. m.

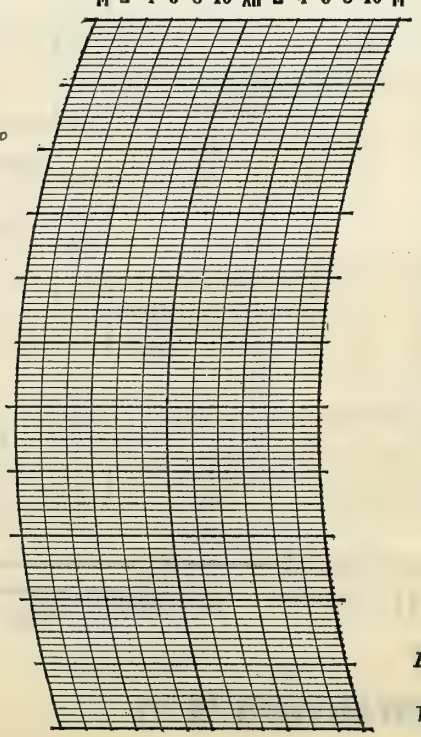
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 95.7 Wet temperature, 72.7
Dew-point, 62 R. humidity, 33 V. pressure, 555
Clouds: Amount, 5; Kind, St Cu; Direction, W
Velocity of clouds (miles per hour)

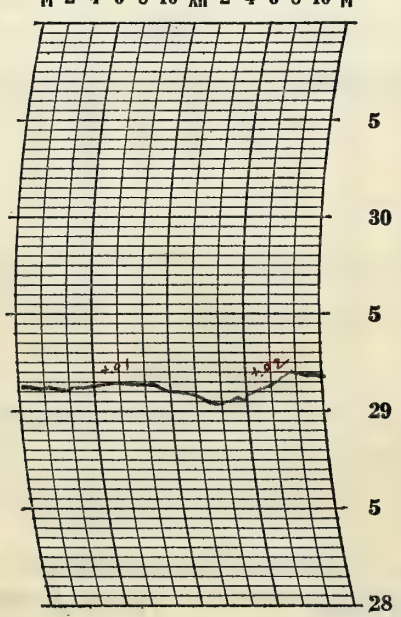
THERMOGRAPH




THERMOGRAPH




BAROGRAPH.




Prepared by L.C.S.

Verified by W.

8—486

## NOTES

a moderate thundershower began at 8:15 P.M. and continued into the next day. No damage has been reported.

No heat prostrations have been reported although the temperature was extremely high.

Flying conditions were fair to good.

a moderate thundershower from 3:40 to 4:45 P.M. No damage reported.

Form No. 1014—Met'1

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Monday, (Date) JUL 24 1933, 193

Time (local standard) 90 mer. normal time.

| | A.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 | P.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Temperature at end of hour (72) | 71 | 70 | 71 | 71 | 71 | 71 | 71 | 72 | 71 | 70 | 69 | 66 | 64 | 65 | 66 | 66 | 65 | 66 | 67 | 67 | 67 | 67 | 67 | 67 |
| State of weather: Nature of precipitation and time of beginning and ending | ncstd (1) | | | | RE ONR | RB 5:55 | | RE 7:30 | RB 8:20 | | | | | RE 1:40 | | RB 3:45 | RE 4:25 | | | | | | | |
| Amounts of precipitation | .20 | .05 | T | T | .01 | T | .05 | .01 | .03 | .01 | .02 | T | .01 | T | | T | T | | | | | | | |
| Cloudiness and other conditions | | | | | | | 5+ | | | | | s+cu | | | | | | Cist-acu-stcu | | | | | | |
| Sunshine (in tenths of hours) | | | | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | |
| Wind direction | E | S | NE | NE | NE | NE | NE | NE | NE | NE | NE | NE | NE | NE | NE | NE | NE | NE | NE | NE | NE | NE | NE | NE |
| Wind movement | 5 | 4 | 5 | 5 | 5 | 3 | 3 | 6 | 5 | 6 | 7 | 11 | 11 | 11 | 12 | 9 | 10 | 8 | 6 | 4 | 4 | 6 | 7 | 9 |
| Maximum velocities (exceeding 24 miles) direction and time | | | | | | | | | | | | | | | | | | | | | | | | |

Sunrise: Time, 4:29 Character, Cloudy. Moonrise: ---- ----

Sunset: Time, 7:05 Character, Cloudy. Moonset: ---- ----

Wind data corrected to true velocity.

| Total duration. From— | To— | Total amount of precipitation. | Excessive rate. Began— | Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | | | | | |

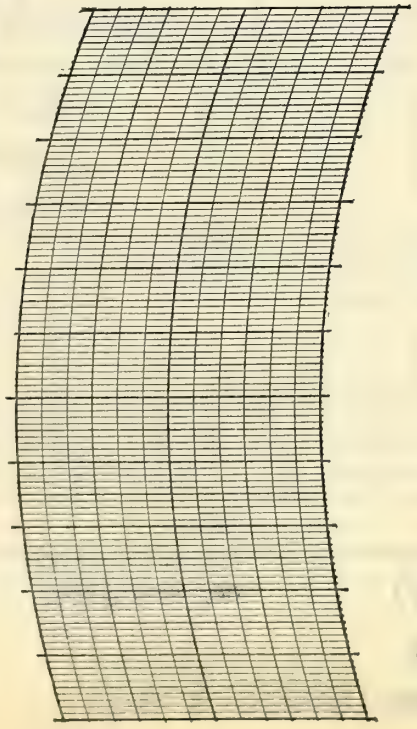
Excessive precipitation, accumulated amounts

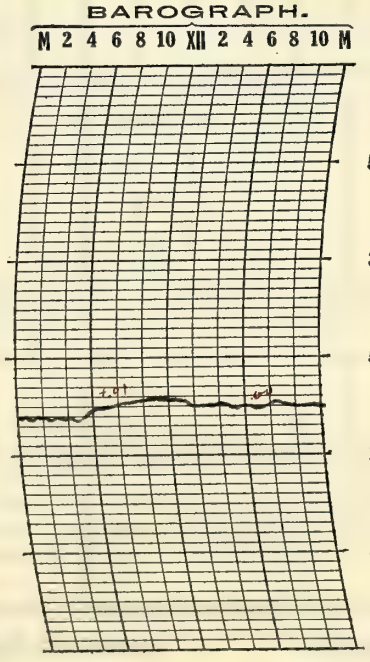
| Maximum Temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 72 | 64 | 68 | |

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0.46 ins.; to 7 p. m., .09 ins.
Total precipitation, midnight to midnight, 0.39 inches.
Character of day, Cloudy Moon phase, ----
Average daily cloudiness (0-10), 10
Actual sunshine, hours, 0 Possible sunshine, hours, 14.6
Per cent of possible sunshine, 0
Prevailing wind direction, NE Total wind, 162
Average hourly velocity, 6.8 Extreme velocity, 15
Maximum velocity, 15 Direction, NE
Time began, 12:02 P.M.
Reduced barometer, 30.16 7 a. m. 30.18 7 p. m.
River gage, 1.2 feet
Relative humidity, 95 7 a. m. 85 7 p. m.

OBSERVATIONS AT 12 NOON.
(Local Mean Time.)
Dry temperature, 65.7 Wet temperature, 64.2
Dew-point, 64 R. humidity, 92 V. pressure, .595
Clouds: Amount, 10; Kind, St-Cu; Direction, N
Velocity of clouds (miles per hour)

THERMOGRAPH
M 2 4 6 8 10 XII 2 4 6 8 10 M
90 80 70 60




Prepared by K.P.S.

Verified by ----

8—486

## NOTES

numbers in parenthesis hundredths added to automatic record
moderate thundershower continued from day before. Thunder believed to have last occurred shortly after midnight or during the early morning hours. No damage reported.
ceiling around 1,000 ft. and visibility from 2 to 5 miles all day.

Form No. 1014—Met'l

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Tuesday, (Date) JUL 25 1933, 193

Time (local standard) 90 mer. normal time.

| | A.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 | P.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Temperature at end of hour 67 | 65 | 64 | 63 | 62 | 60 | 59 | 62 | 64 | 65 | 68 | 72 | 74 | 75 | 75 | 76 | 76 | 75 | 74 | 72 | 70 | 69 | 68 | 66 | 65 |
| State of weather. Nature of precipitation and time of beginning and ending | | | | | | | | | | | | | | | | | | | | | | | | |
| Amounts of precipitation | | | | | | | | | | | | | | | | | | | | | | | | |
| Cloudiness and other conditions | | | | | | ← Pt Cloudy | | x Cloudy | | | | | | | | | | | | x Clear → | | | | |
| | Sunrise: Time, 4:30 Character, Cloudy Moonrise: | | | | | | Ci+Cist+Cu | | | | | Cist+Strat | | | | | | | Ci+Cist | | Sunset: Time, 7:04 Character, Clear Moonset: | | | | |
| Sunshine (in tenths of hours) | | | | | 0 | 0 | 0 | 0.4 | 0 | 0.2 | 0.8 | 0.8 | 0.7 | 0.8 | 0.5 | 0.1 | 0 | 0 | 0 | 0 | | | | |
| Wind direction | NE | NE | NE | NE | NE | NE | NE | NE | NE | NE | NE | E | NE | NE | NE | NE | NE | NE | NE | NE | NE | NE | NE | NE |
| Wind movement | 9 | 9 | 9 | 9 | 8 | 6 | 8 | 8 | 9 | 7 | 7 | 7 | 7 | 8 | 9 | 8 | 7 | 7 | 4 | 5 | 4 | 4 | 5 | 5 |
| Maximum velocities (exceeding 24 miles) direction and time | | | | | | | | | | | | | | | | | | | | | | | | |

Wind data corrected to true velocity.

| | Total duration. From— | To— | Total amount of precipitation. | Excessive rate. Began— | Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Excessive precipitation, accumulated amounts | | | | | | | | | | | | | | | | | | | | |

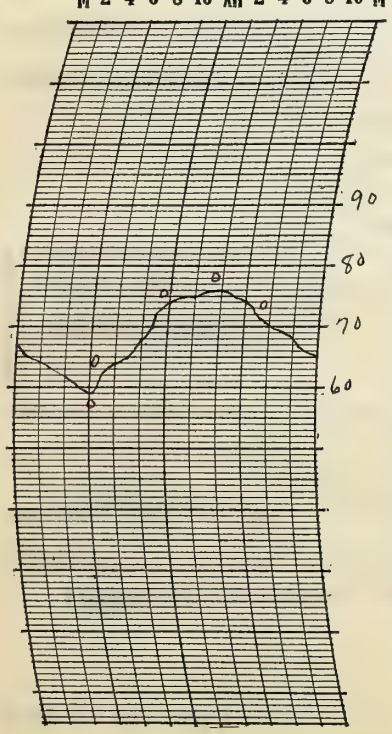
| Maximum Temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 76 | 59 | 68 | |

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Cloudy Moon phase,
Average daily cloudiness (0-10), 9
Actual sunshine, hours, 5.4 Possible sunshine, hours, 14.6
Per cent of possible sunshine, 37
Prevailing wind direction, NE Total wind, 169
Average hourly velocity, 7.0 Extreme velocity, 12
Maximum velocity, 12 Direction, NE
Time began, 12:34 a.m.
Reduced barometer, 30.18 7 a. m. 30.08 7 p. m.
River gage, 0.3 feet
Relative humidity, 74 7 a. m. 63 7 p. m.

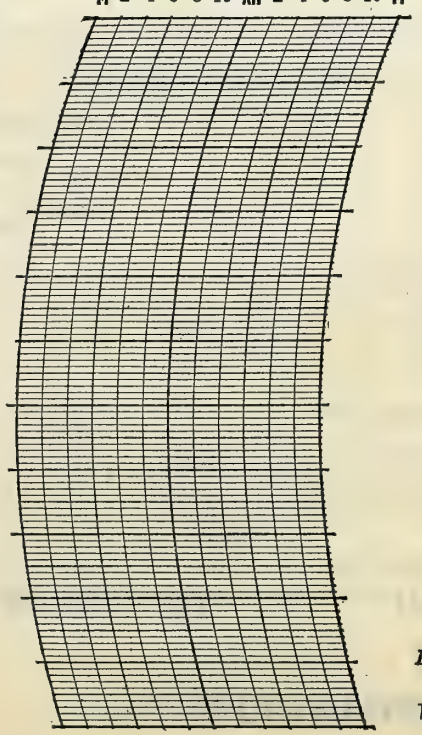
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 74.1 Wet temperature, 65.6
Dew-point, 61 R. humidity, 64 V. pressure, .536
Clouds: Amount, 4; Kind, St Cu; Direction, W
Velocity of clouds (miles per hour)

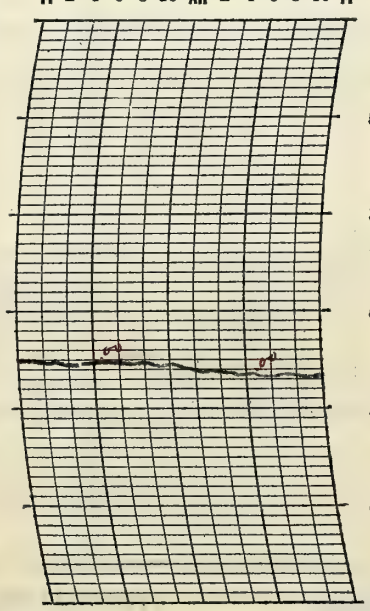
THERMOGRAPH




THERMOGRAPH




BAROGRAPH.




Prepared by L.C.S.

Verified by W.

8—486

## NOTES

Flying conditions were very good to excellent.

Form No. 1014—Met'l

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(Station) Fort Wayne Ind., (Day of week) Wednesday, (Date) JUL 26 1933, 193

Time (local standard) 90 mer. normal time.

| | A.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 | P.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Temperature at end of hour (65) | 64 | 63 | 63 | 62 | 61 | 62 | 63 | 65 | 70 | 73 | 74 | 76 | 78 79 | 78 | 78 | 78 | 78 | 77 | 76 | 73 | 72 | 71 | 68 | 66 |
| State of weather: Nature of precipitation and time of beginning and ending | | | | | | | | | | | | | | | | | | | | | | | | |
| Amounts of precipitation | | | | | | | | | | | | | | | | | | | | | | | | |
| Cloudiness and other conditions | | | | | | ← Cloudy | | → | × | | Pt Cloudy | | → | | | | | | | | | | | |
| | | | | | | | a st | | | | | Ci st | | | | | | | Ci + Cu st | | | | | | |
| Sunshine (in tenths of hours) | | | | | 0 | 0 | 0 | 0 | 0.5 | 1.0 | 0.8 | 1.0 | 1.0 | 0.7 | 0 | 0.6 | 1.0 | 0.2 0.8 | 1.0 0 | 0.5 0 | | | | |
| Wind direction | NE | NE | NE | NE | NE | NE | NE | NE | NE | NE | NE | NE | NE | E | E | E | E | E | E | E | E | E | 0 | 0 |
| Wind movement | 6 | 7 | 6 | 6 | 6 | 5 | 7 | 9 | 9 | 10 | 9 | 9 | 9 | 10 | 8 | 8 | 8 | 7 | 6 | 5 | 3 | 3 | 1 | 1 |
| Maximum velocities (exceeding 24 miles) direction and time | | | | | | | | | | | | | | | | | | | | | | | | |

Sunrise: Time 4:31, Character Cloudy. Moonrise: ____ ____

Sunset: Time 7:03, Character Clear. Moonset: ____ ____

Wind data corrected to true velocity.

Excessive precipitation, accumulated amounts

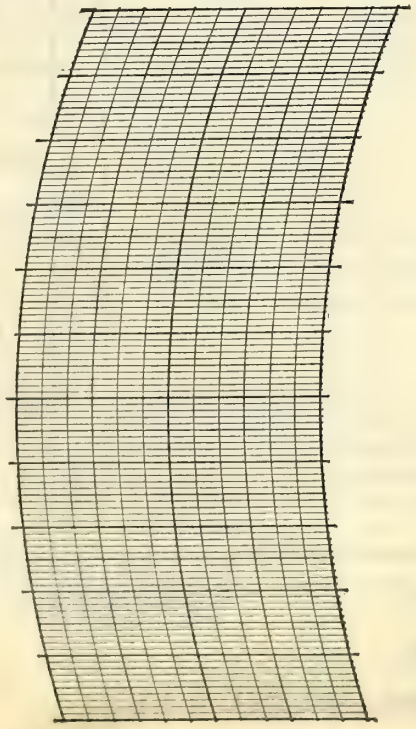
| Total duration. From— | To— | Total amount of precipitation. | Excessive rate. Began— | Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | | | | | |

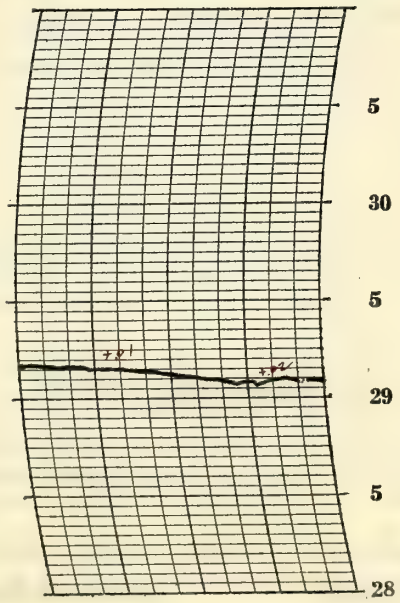
| Maximum Temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 79 | 61 | 70 | |

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Pt Cloudy Moon phase, ____
Average daily cloudiness (0-10), 6
Actual sunshine, hours, 8.6 Possible sunshine, hours, 14.5
Per cent of possible sunshine, 59
Prevailing wind direction, NE Total wind, 158
Average hourly velocity, 6.6 Extreme velocity, 13
Maximum velocity, 13 Direction, NE
Time began, 9:25 a.m.
Reduced barometer, 30.08 7 a. m. 29.99 7 p. m.
River gage, -0.3 feet
Relative humidity, 84 7 a. m. 44 7 p. m.

OBSERVATIONS AT 12 NOON.
(Local Mean Time.)
Dry temperature, 76.2 Wet temperature, 62.1
Dew-point, 53 R. humidity, 45 V. pressure, 402
Clouds: Amount, 4; Kind, Ci St; Direction, W
Velocity of clouds (miles per hour)

THERMOGRAPH
M 2 4 6 8 10 XII 2 4 6 8 10 M
90 80 70 60




Prepared by L. C. S.

Verified by ____

8—486

## NOTES

Flying conditions very good to excellent all day.

Form No. 1014—Met'l

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Thursday, (Date) JUL 27 1933, 193

Time (local standard) 90 mer. normal time.

| | A.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 | P.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Temperature at end of hour 66 | 63 | 63 | 62 | 61 | 58 | 60 | 67 | 74 | 78 | 81 | 82 | 84 | 85 | 86 | 86 87 | 86 | 84 | 84 | 82 | 79 | 76 | 74 | 72 | 71 |
| State of weather. Nature of precipitation and time of beginning and ending | | | | | | | | | | | | | | | | | | | | | | | | |
| Amounts of precipitation | | | | | | | | | | | | | | | | | | | | | | | | |
| Cloudiness and other conditions | | | | | | × Clear | | | × Pt Cldy | | | | | | × Clear | | | | | | | | | |
| | | | | | | | a Cu & ast | | | | a Cu | | | | | | | | a Cu | a Cu | | | | |
| Sunshine (in tenths of hours) | | | | | 44 0 | 1.0 0 | 0.2 0.8 | 1.0 | 0.8 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 0.4 0.6 | 1.0 0 | .05 0 | | | | |
| Wind direction | E | E | E | E | 0 | 0 | E | E | E | E | E | NE | NE | NE | NE | SE | S | S | S | S | S | S | S | S |
| Wind movement | 3 | 3 | 2 | 2 | 1 | 1 | 2 | 2 | 3 | 3 | 5 | 5 | 6 | 6 | 6 | 6 | 8 | 8 | 6 | 4 | 5 | 6 | 7 | 4 |
| Maximum velocities (exceeding 24 miles) direction and time | | | | | | | | | | | | | | | | | | | | | | | | |

Sunrise: Time, 4.32 Character, Clear. Moonrise:

Sunset: Time, 7.03 Character, Clear. Moonset:

Wind data corrected to true velocity.

| Total duration. From— | To— | Total amount of precipitation. | Excessive rate. Began— | Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | | | | | |

Excessive precipitation, accumulated amounts

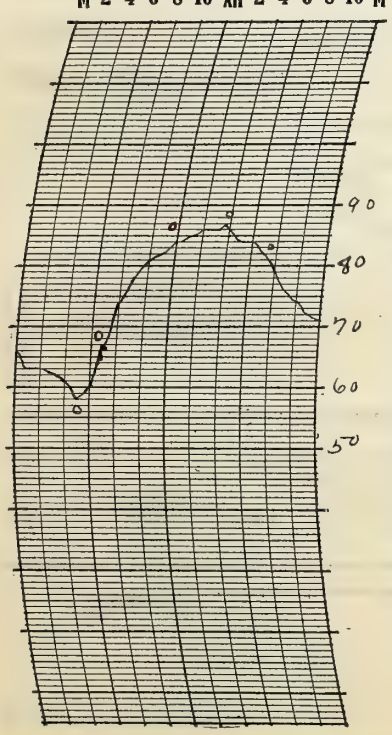
| Maximum Temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 87 | 58 | 72 | |

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Clear Moon phase,
Average daily cloudiness (0-10), 3
Actual sunshine, hours, 14.3 Possible sunshine, hours, 14.5
Per cent of possible sunshine, 99
Prevailing wind direction, E Total wind, 107
Average hourly velocity, 4.5 Extreme velocity, 9
Maximum velocity, 9 Direction, S
Time began, 4:31 P m
Reduced barometer, 30.01 7a. m. 29.94 7p. m.
River gage, 0.6 feet
Relative humidity, 71 7a. m. 38 7p. m.

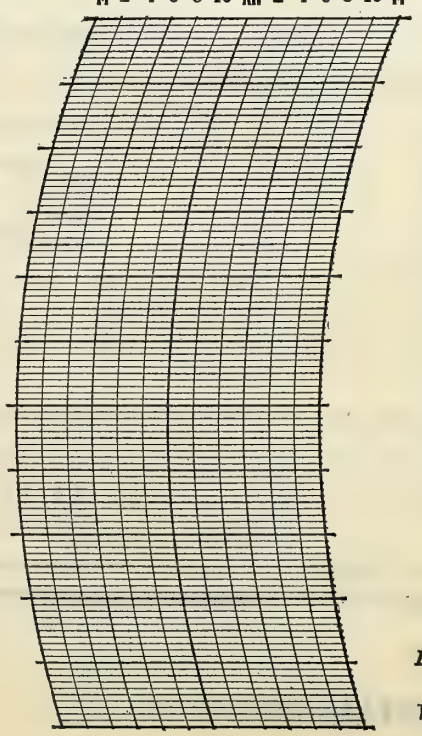
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 84.0 Wet temperature, 63.8
Dew-point, 51 R. humidity, 32 V. pressure, 373
Clouds: Amount, 4; Kind, Cu; Direction, SE
Velocity of clouds (miles per hour)

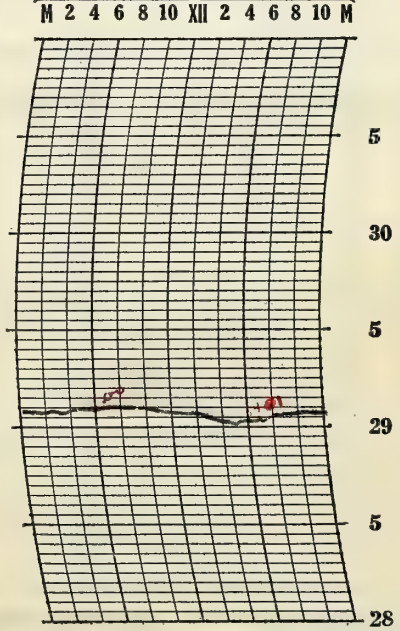
THERMOGRAPH




THERMOGRAPH




BAROGRAPH.




Prepared by L. C. S.

Verified by

8—486

## NOTES

Fair lying conditions very good to excellent

Form No. 1014—Met'1

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind, (Day of week) Friday, (Date) JUL 28 1933, 193

Time (local standard) 90 mer. normal time.

| | A.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 | P.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Temperature at end of hour (71) | 70 | 69 | 67 | 66 | 65 | 66 | 70 | 73 | 77 | 81 | 83 | 85 | 86 | 87 | 88 | 87 | 86 | 85 | 83 | 80 | 79 | 78 | 77 | 76 |
| State of weather: Nature of precipitation and time of beginning and ending | | | | | | | | | | | | | | | | | | | | | | | | |
| Amounts of precipitation | | | | | | | | | | | | | | | | | | | | | | | | |
| Cloudiness and other conditions | | | | | | Clear | | | | | | | + | | P+ Cloudy | | | X | Clear | | | 7 | | |
| | | | | | | | ci | | | | | a cu | | | | | | | a cu | | | | | |
| Sunrise: Time, Character, 4:33 | | | | | | | | | | | | | | | | | | | | | Sunset: Time, 7:02 Character, Clear after 6:00 P.m. | | | |
| Moonrise: | | | | | | | | | | | | | | | | | | | | | Moonset: | | | |
| Sunshine (in tenths of hours) | | | | | 45 0 | 1.0 0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 0.6 | 0 | 1.0 0 | .03 0 | | | | |
| Wind direction | S | S | S | S | S | S | S | S | S | SE | S | SE | S | S | S | S | S | S | SW | SW | SW | SW | SW | SW |
| Wind movement | 5 | 5 | 3 | 2 | 3 | 3 | 3 | 5 | 7 | 9 | 9 | 9 | 9 | 8 | 10 | 9 | 11 | 10 | 9 | 7 | 8 | 9 | 7 | 7 |
| Maximum velocities (exceeding 24 miles) direction and time | | | | | | | | | | | | | | | | | | | | | | | | |

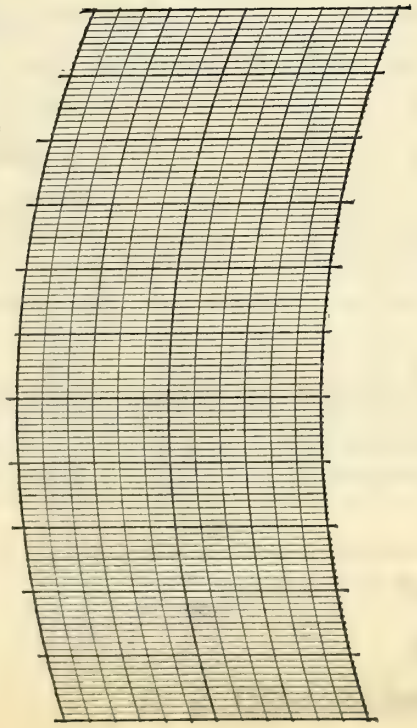
| Wind data corrected to true velocity. | Total duration. From— | To— | Total amount of precipitation. | Excessive rate. Began— | Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Excessive precipitation, accumulated amounts | | | | | | | | | | | | | | | | | | | | |

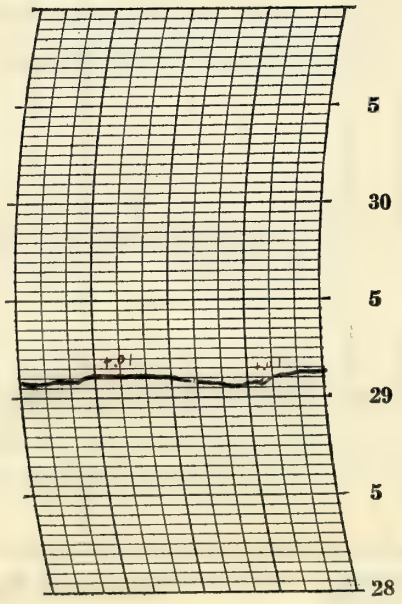
| Maximum Temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 88 | 65 | 76 | |

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Clear Moon phase,
Average daily cloudiness (0-10), 1
Actual sunshine, hours, 13.1 Possible sunshine, hours, 14.5
Per cent of possible sunshine, 90
Prevailing wind direction, S Total wind, 165
Average hourly velocity, 6.9 Extreme velocity, 13
Maximum velocity, 12 Direction, SW
Time began, 6:02 P.m.
Reduced barometer, 30.03 7 a. m. 29.99 7 p. m.
River gage, 0.3 feet
Relative humidity, 65 7 a. m. 58 7 p. m.

OBSERVATIONS AT 12 NOON.
(Local Mean Time.)
Dry temperature, 85.1 Wet temperature, 68.0
Dew-point, 59 R. humidity, 41 V. pressure, 499
Clouds: Amount, 7ew; Kind, a cu; Direction, S
Velocity of clouds (miles per hour)

THERMOGRAPH
M 2 4 6 8 10 XII 2 4 6 8 10 M
100 90 80 70 60




Prepared by L. C. S.
Verified by

8—486

## NOTES

Flying conditions were excellent all day.

Form No. 1014—Met'l

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Saturday, (Date) JUL 29 1933, 193

Time (local standard) 90 mer. normal time.

| | A.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 | P.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Temperature at end of hour (76) | 74 | 74 | 73 | 73 | 72 | 73 | 75 | 79 | 82 | 84 | 84 | 85 | 86 | 89 | 91 | 88 | 85 | 83 | 82 | 81 | 81 | 81 | 80 | 78 |
| State of weather. Nature of precipitation and time of beginning and ending | | | | | | | | | | | | | | | | | | | | | | | | |
| Amounts of precipitation | | | | | | | | | | | | | | | | | | | | | | | | |
| Cloudiness and other conditions | | | | | | ← Clear → | × | Pt Cloudy | | | | | | | × Clear | | | | | → | | | | |
| | | | | | | | | Cu | | | Cu | | | | | | Cu & Cu | | | | | | | |
| Sunrise: Time 4:34, Character Clear; Moonrise: | | | | | | | | | | | | | | | | | | | | | Sunset: Time 7:01, Character Clear; Moonset: | | | |
| Sunshine (in tenths of hours) | | | | | .43 0 | 1.0 0 | .0.3 0.7 | 1.0 | 1.0 | 1.0 | 1.0 | 0.8 | 0.9 | 1.0 | 1.0 | 1.0 | 0.5 | 0.6 0.4 | 1.0 0 | .02 0 | | | | |
| Wind direction | W | SW | SW | W | W | SW | SW | W | W | SW | SW | SW | W | W | SW | SW | SW | SW | SW | SW | S | SW | SW | SW |
| Wind movement | 7 | 7 | 8 | 7 | 7 | 8 | 9 | 11 | 11 | 12 | 12 | 12 | 15 | 13 | 14 | 15 | 15 | 12 | 9 | 7 | 9 | 12 | 12 | 11 |
| Maximum velocities (exceeding 24 miles) direction and time | | | | | | | | | | | | | | | | | | | | | | | | |

Wind data corrected to true velocity.

| Total duration. From— | To— | Total amount of precipitation. | Excessive rate. Began— | Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | | | | | |

Excessive precipitation, accumulated amounts

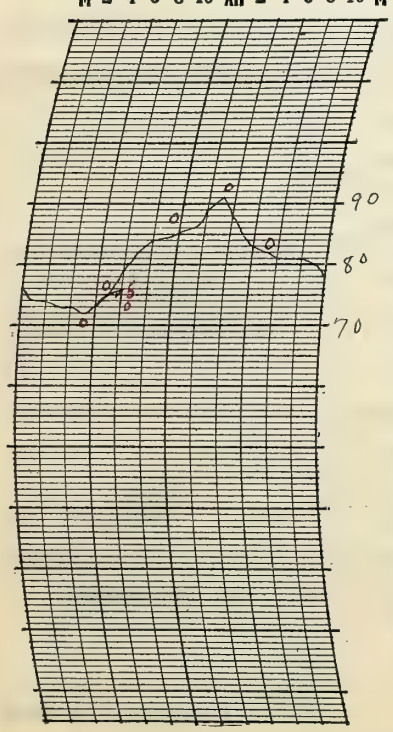
| Maximum Temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 91 | 72 | 82 | |

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Clear Moon phase,
Average daily cloudiness (0-10), 3
Actual sunshine, hours, 13.6 Possible sunshine, hours, 14.4
Per cent of possible sunshine, 94
Prevailing wind direction, S.W. Total wind, 255
Average hourly velocity, 10.6 Extreme velocity, 20
Maximum velocity, 19 Direction, W
Time began, 3:11 P. m.
Reduced barometer, 30.07 7a. m. 29.98 7p. m.
River gage, 0.3 feet
Relative humidity, 83 7a. m. 62 7p. m.

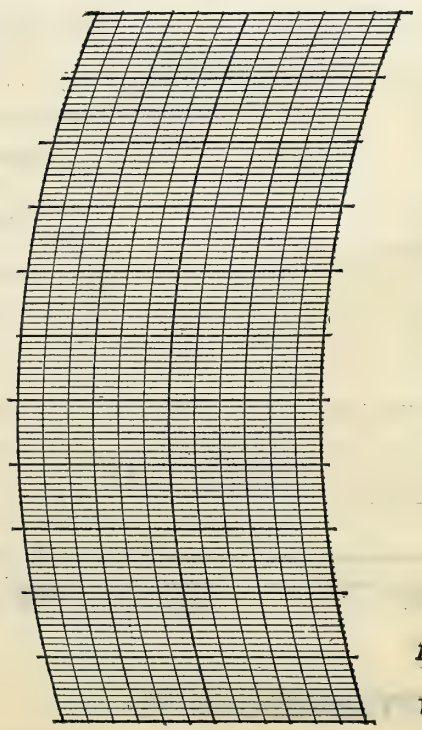
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 85.0 Wet temperature, 72.0
Dew-point, 66 R. humidity, 54 V. pressure, 1638
Clouds: Amount, 7; Kind, Cu; Direction, SW
Velocity of clouds (miles per hour)

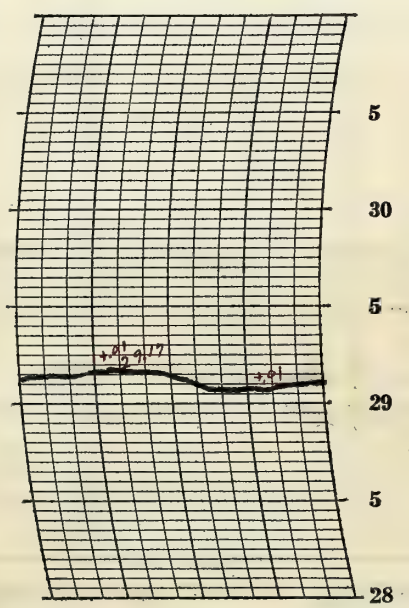
THERMOGRAPH




THERMOGRAPH




BAROGRAPH.




Prepared by L. C. S.

Verified by W.

8—486

## NOTES

Fair lying conditions Very good to excellent

Form No. 1014—Met'l

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Sunday, (Date) JUL 30 1933, 193

Time (local standard) 90 mer. normal time.

| | A.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 | P.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Temperature at end of hour (78) | 77 | 76 | 76 | 75 | 73 | 75 | 76 | 80 | 83 | 86 | 89 | 87 | 89 | 87 | 84 | 86 | 87 | 86 | 85 | 84 | 82 | 81 | 80 | 78 |
| State of weather. Nature of precipitation and time of beginning and ending | | | | | | | | | | | | | | | | | | | | | | | | |
| Amounts of precipitation | | | | | | | | | | | | | | | | | | | | | | | | |
| Cloudiness and other conditions | | | | | | ← Clear | | | | — x P.t Cldy | | — x Cloudy | — x Clear | | | | | | | | | → | | |
| | | | | | | | Cu & a Cu | | | | | Cu | | | | | | Cu & Cu | | | | | | |
| Sunrise: Time, 4:35 Character, Clear | | | | | | | | | | | | | | | | | | | | Sunset: Time, 7:00 Character, Clear | | | | |
| Moonrise: | | | | | | | | | | | | | | | | | | | | Moonset: | | | | |
| Sunshine (in tenths of hours) | | | | | 42 0 | 1.0 0 | 0.4 0.6 | 1.0 | 1.0 | 1.0 | 1.0 | 0.7 | 0.6 | 1.0 | 0.5 | 0.8 | 0.7 | 0.9 0.1 | 1.0 0 | | | | | |
| Wind direction | SW | SW | SW | SW | SW | SW | W | W | W | W | W | W | SW | SW | SW | SW | SW | SW | SW | SW | SW | SW | SW | SW |
| Wind movement | 12 | 10 | 9 | 11 | 9 | 9 | 12 | 9 | 10 | 9 | 9 | 11 | 11 | 14 | 13 | 13 | 11 | 11 | 8 | 6 | 5 | 7 | 7 | 7 |
| Maximum velocities (exceeding 24 miles) direction and time | | | | | | | | | | | | | | | | | | | | | | | | |

Wind data corrected to true velocity.

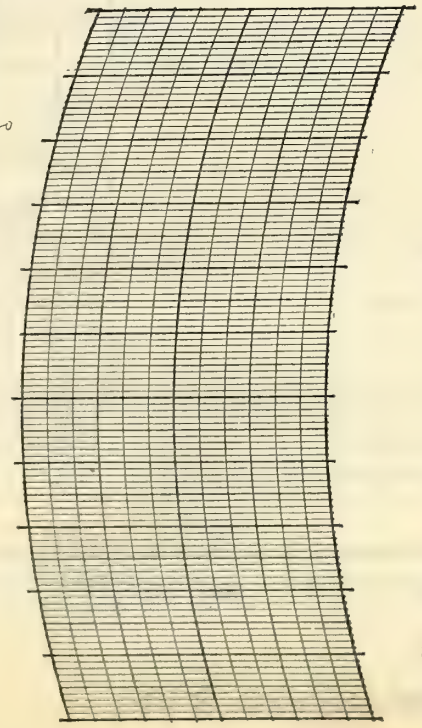
| Excessive precipitation, accumulated amounts | Total duration. From— | To— | Total amount of precipitation. | Excessive rate. Began— | Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | | | | | | |

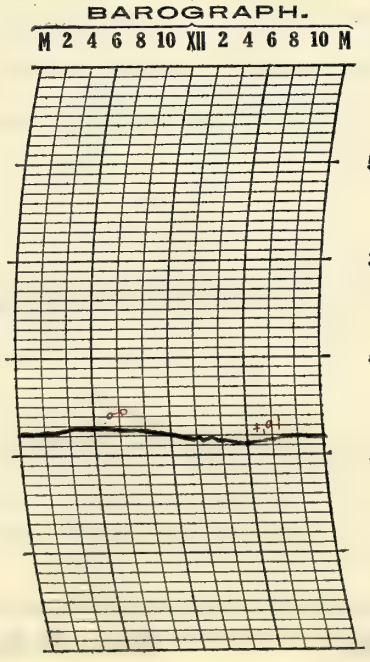
| Maximum Temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 89 | 73 | 81 | |

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, P+ Cloudy Moon phase,
Average daily cloudiness (0-10), 4
Actual sunshine, hours, 12.7 Possible sunshine, hours, 14.4
Per cent of possible sunshine, 88
Prevailing wind direction, SW Total wind, 233
Average hourly velocity, 9.7 Extreme velocity, 20
Maximum velocity, 19 Direction, SW
Time began, 1:23 P.m.
Reduced barometer, 30.03 7 a. m. 29.98 7 p. m.
River gage, -0.2 feet
Relative humidity, 80 7 a. m. 63 7 p. m.

OBSERVATIONS AT 12 NOON.
(Local Mean Time.)
Dry temperature, 87.0 Wet temperature, 73.9
Dew-point, 69 R. humidity, 54 V. pressure, 707
Clouds: Amount, 8; Kind, Cu; Direction, W
Velocity of clouds (miles per hour)

THERMOGRAPH
M 2 4 6 8 10 XII 2 4 6 8 10 M
100 90 80 70




Prepared by L.C.S

Verified by

8—486

## NOTES

Flying conditions very good to excellent

Form No. 1014—Met'l

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(Station) Fort Wayne. Ind., (Day of week) Monday, (Date) JUL 31 1933, 193

Time (local standard) 90 mer. normal time.

| | A.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 | P.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Temperature at end of hour (78) | 77 | 76 | 75 | 74 | 74 | 76 | 79 | 83 | 86 | 87 | 86 | 89 | 90 | 90 | 89 | 90 | 88 | 87 | 86 | 84 | 82 | 81 | 80 | 79 |
| State of weather. Nature of precipitation and time of beginning and ending | | | | | | | | | | | | | | | RB 2:35 RL 2:40 | | | | | | | | | |
| Amounts of precipitation | | | | | | | | | | | | | | | T | | | | | | | | | |
| Cloudiness and other conditions | | | | | | ← Pt Cloudy | | | | | | | x Cloudy | | | | x Pt Cloudy | | | | | | | |
| | | | | | | Ci Cu + a Cu | | | | | | Ci Cu + a Cu | | | | | | Ci | Ci Cu + Cu | | | | | |
| Sunshine (in tenths of hours) | | | | | +0 0 | 1.0 0 | 1.0 | 1.0 | 1.0 | 1.0 | 0.2 | 0.9 | 1.0 | 1.0 | 0.8 | 0.6 | 0.6 | 0.5 0.5 | .98 0 | | | | | |
| Wind direction | SW | SW | SW | SW | SW | SW | SW | SW | W | W | W | W | W | SW | SW | SW | S | S | S | S | S | S | S | S |
| Wind movement | 7 | 8 | 8 | 9 | 7 | 7 | 9 | 7 | 8 | 9 | 10 | 9 | 9 | 9 | 11 | 12 | 12 | 10 | 7 | 8 | 8 | 9 | 9 | 9 |
| Maximum velocities (exceeding 24 miles) direction and time | | | | | | | | | | | | | | | | | | | | | | | | |

Sunrise: Time, 4:36 Character, Clear. Moonrise:

Sunset: Time, 6:59 Character, Clear. Moonset:

Wind data corrected to true velocity.

| | Total duration. From— | To— | Total amount of precipitation. | Excessive rate. Began— | Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Excessive precipitation, accumulated amounts | | | | | | | | | | | | | | | | | | | | |

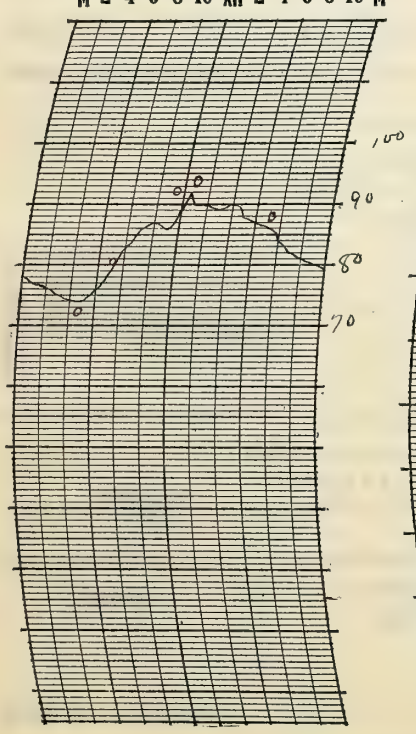
| Maximum Temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 92 | 74 | 83 | |

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., T ins.
Total precipitation, midnight to midnight, T inches.
Character of day, Pt Cloudy Moon phase,
Average daily cloudiness (0-10), 6
Actual sunshine, hours, 12.5 Possible sunshine, hours, 14.4
Per cent of possible sunshine, 87
Prevailing wind direction, SW Total wind, 211
Average hourly velocity, 8.8 Extreme velocity, 15
Maximum velocity, 15 Direction, SW
Time began, 2:45 P.M.
Reduced barometer, 30.05 a. m. 29.97 p. m.
River gage, -.02 Feet
Relative humidity, 75 a. m. 63 p. m.

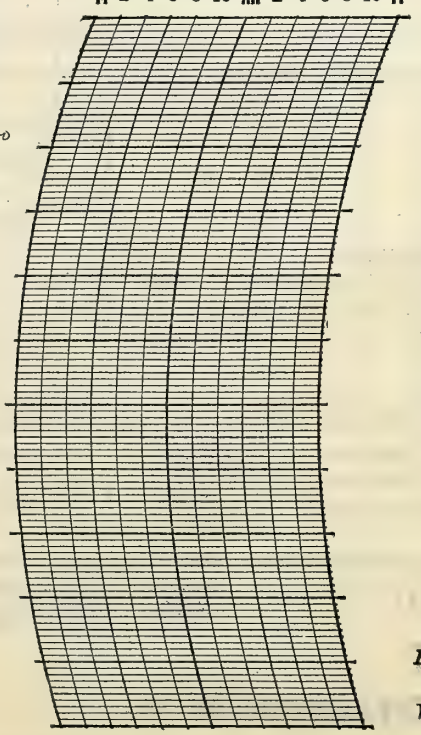
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 88.9 Wet temperature, 72.9
Dew-point, 66 R. humidity, 46 V. pressure, 6.38
Clouds: Amount, 3/4; Kind, a Cu Cu; Direction, S
Velocity of clouds (miles per hour)

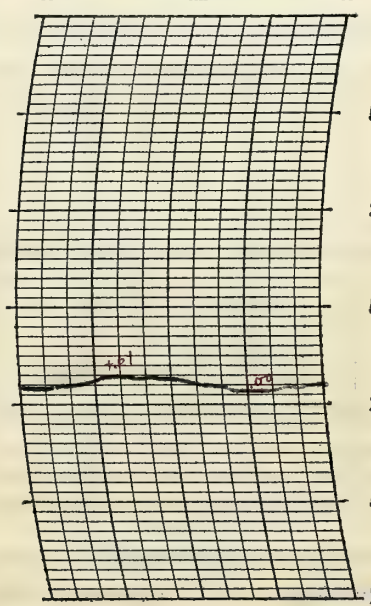
THERMOGRAPH




THERMOGRAPH




BAROGRAPH.




Prepared by L. C. S.

Verified by

8—486

## NOTES

Light rumblings of thunder heard in the north from 2:28 P.M. to 2:45 P.M.

Flying Conditions Were excellent

Form No. 1014—Met'l

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(Station) Fort Wayne. Ind., (Day of week) Tuesday, (Date) AUG 1 1933, 193

Time (local standard) 90 mer. normal time.

| | A.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 | P.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Temperature at end of hour (79) | 77 | 77 | 77 | 76 | 75 | 76 | 77 | 81 | 83 | 87 | 79 | 80 | 82 | 83 | 78 | 80 | 82 | 83 | 82 | 79 | 76 | 74 | 72 | 71 |
| State of weather. Nature of precipitation and time of beginning and ending | | | | | | | | | | | RB 10:47 | RE 11:15 RB 11:35 | RE 12:15 | | RB 2:40 RE 2:55 | | | | | | | | | |
| Amounts of precipitation | | | | | | | | | | | .01 | .04 | .08 | | .02 | | | | | | | | | |
| Cloudiness and other conditions | | | | | | ← Cloudy | | → Partly Cloudy | | → Cloudy | | | | | | | → Clear | | | | | | | |
| | | | | | | a St + a Cu | | | | | | | Nb + St + Cu | | | | | | Cu + Ci Cu | | | | | |
| Sunrise: Time, 4:37 Character, Cloudy | | | | | | | | | | | | | | | | | | | | Sunset: Time, 6:57 Character, Clear | | | | |
| Moonrise: | | | | | | | | | | | | | | | | | | | | Moonset: | | | | |
| Sunshine (in tenths of hours) | | | | | 0 | 0 | 0 | 0 | 0.7 | 1.0 | 0.8 | 0 | 0.4 | 1.0 | 0.6 | 0.3 | 0.4 | 0.4 | 0 | | | | | |
| Wind direction | S | S | W | SW | SW | SW | SW | SW | W | W | W | S | W | NW | NW | NW | NW | NW | NW | NW | NW | NW | NW | N |
| Wind movement | 9 | 9 | 9 | 9 | 8 | 9 | 10 | 12 | 12 | 13 | 15 | 9 | 7 | 12 | 15 | 11 | 5 | 9 | 8 | 7 | 6 | 5 | 7 | 6 |
| Maximum velocities (exceeding 24 miles) direction and time | | | | | | | | | | | | | | | | | | | | | | | | |

| Wind data corrected to true velocity. | Total duration. From— | To— | Total amount of precipitation. | Excessive rate. Began— | Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Excessive precipitation, accumulated amounts | | | | | | | | | | | | | | | | | | | | |

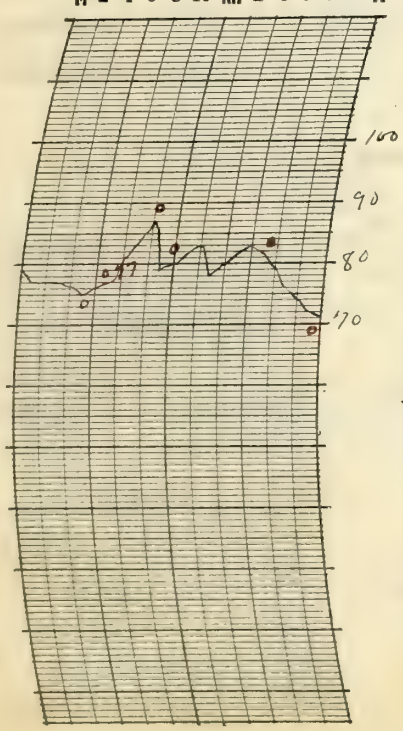
| Maximum Temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 87 | 71 | 79 | |

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0.15 ins.
Total precipitation, midnight to midnight, 0.15 inches.
Character of day, Cloudy Moon phase,
Average daily cloudiness (0-10), 8
Actual sunshine, hours, 7.2 Possible sunshine, hours, 14.3
Per cent of possible sunshine, 50
Prevailing wind direction, NW Total wind, 228
Average hourly velocity, 9.5 Extreme velocity, 20
Maximum velocity, 19 Direction, NW
Time began, 2:44 P. M.
Reduced barometer, 30.02 7 a. m. 30.01 7 p. m.
River gage, 0.2 feet
Relative humidity, 80 7 a. m. 63 7 p. m.

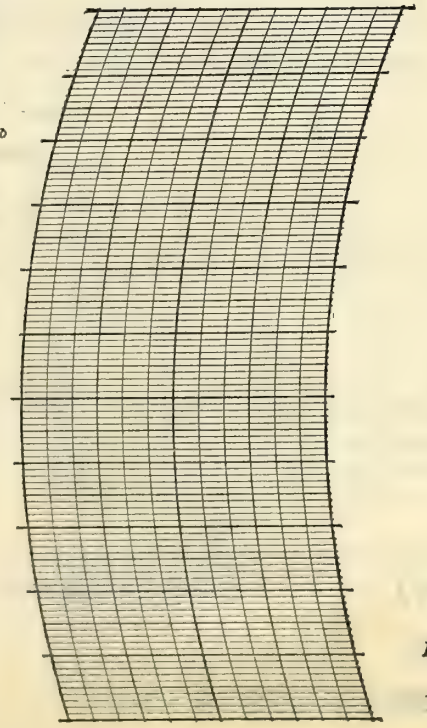
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 80.2 Wet temperature, 74.2
Dew-point, 72 R. humidity, 76 V. pressure, .783
Clouds: Amount, 4 (6 5 7 8); Kind, Cu (5 7 8); Direction, W (5)
Velocity of clouds (miles per hour)

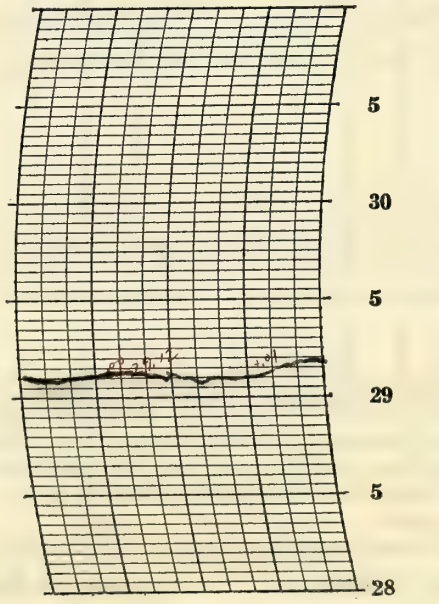
THERMOGRAPH




THERMOGRAPH




BAROGRAPH.




Prepared by L C J

Verified by

8—486

## NOTES

A moderate thunderstorm occurred from 11:00 A to 12:10 P. Moved from west to East. No damage reported. Flying conditions good to excellent

Form No. 1014—Met'1

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Wednesday, (Date) AUG 2 1933, 193

Time (local standard) 90 mer. normal time.

| | A.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 | P.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Temperature at end of hour (71) | 70 | 68 | 67 | 65 | 64 | 67 | 71 | 73 | 74 | 76 | 77 | 81 | 82 | 84 | 86 87 | 86 | 86 | 84 | 81 | 78 RB 7:50 | 68 | 65 | 64 | 65 R cntd |
| State of weather. Nature of precipitation and time of beginning and ending | | | | | | | | | | | | | | | | | | | | | (2) | (2) | | |
| Amounts of precipitation | | | | | | | | | | | | | | | | | | | | T | .34 | .28 | .12 | .01 |
| Cloudiness and other conditions | | | | | | ← Clear → | | × P+Cdy × | | | Cloudy → | | × Clear → | | × P+Cdy × | | | Cloudy → | | | | | | |
| | | | | | | | Ci + Cu St | | | | | Ci Cu + Cu St | | | | | | Ci Cu, Acu + Cu | | | | | | |
| Sunshine (in tenths of hours) | | | | | .37 0 | 1.0 0 | 0.8 | 0.2 | 0.7 | 0.4 | 0.2 | 1.0 | 1.0 | 1.0 | 0.8 | 1.0 | 0.8 | 0.4 | 0 | | | | | |
| Wind direction | N | N | N | N | N | N | NE | NE | E | E | E | E | SE | SE | E | E | E | E | NE | NE | W | W | NE | NE |
| Wind movement | 5 | 3 | 2 | 3 | 3 | 3 | 6 | 7 | 9 | 9 | 6 | 7 | 6 | 6 | 7 | 8 | 9 | 9 | 7 | 9 | 9 | 5 | 6 | 5 |
| Maximum velocities (exceeding 24 miles) direction and time | | | | | | | | | | | | | | | | | | | | | | | | |

Sunrise: Time, 4.38 Character, Clear. Moonrise:

Sunset: Time, 6:56 Character, Cloudy. Moonset:

Wind data corrected to true velocity.

| Total duration. From— | To— | Total amount of precipitation. | Excessive rate. Began— | Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | | | | | |

Excessive precipitation, accumulated amounts

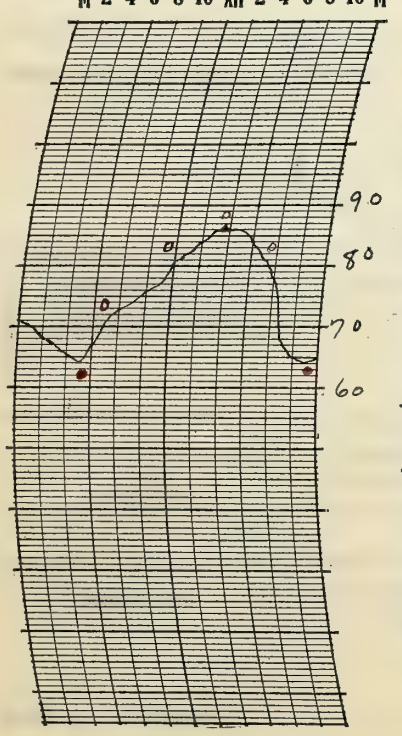
| Maximum Temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 87 | 64 | 76 | |

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0.75 inches.
Character of day, Pt Cloudy Moon phase,
Average daily cloudiness (0-10) 6
Actual sunshine, hours, 9.7 Possible sunshine, hours, 14.3
Per cent of possible sunshine, 68
Prevailing wind direction, E Total wind, 149
Average hourly velocity, 6.2 Extreme velocity, 15
Maximum velocity, 15 Direction, W
Time began, 8:31 P m.
Reduced barometer, 30.12 7 a. m. 29.99 7 p. m.
River gage, -0.3 feet
Relative humidity, 49 7 a. m. 52 7 p. m.

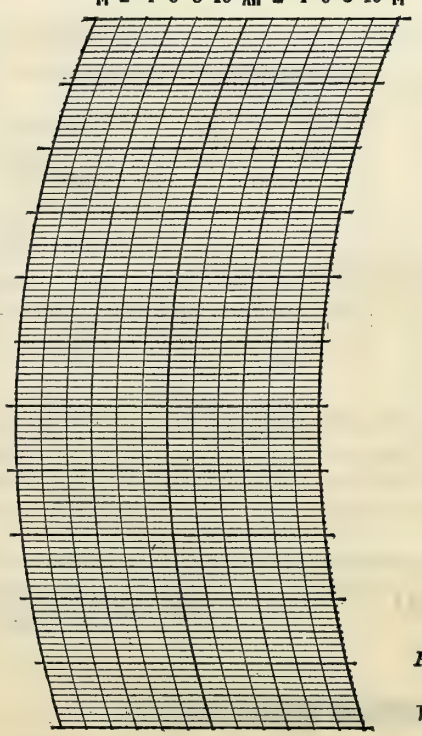
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 81.1 Wet temperature, 68.0
Dew-point, 61 R. humidity, 51 V. pressure, .536
Clouds: Amount, 5/2; Kind, Ci Cu St; Direction, S
Velocity of clouds (miles per hour)

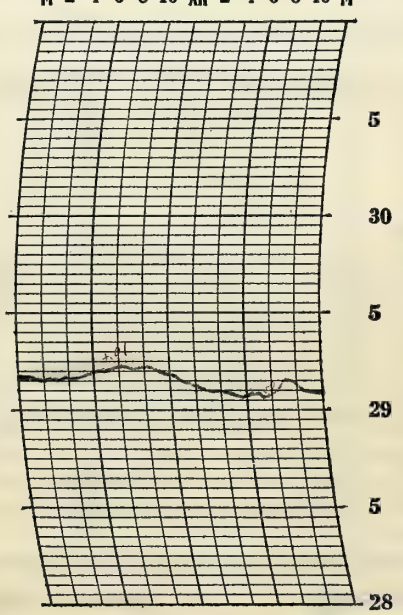
THERMOGRAPH




THERMOGRAPH




BAROGRAPH.




Prepared by L. C. S

Verified by W.

8—486

## NOTES

a moderate thundershower began at 7:10 P.M. and ended 7:40 P.M. It was mostly moderate in character, yet a few sharp crashes of thunder occurred. No damage reported

* Numbers in parenthesis hundredths added to automatic record

Form No. 1014—Met'1

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Thursday, (Date) AUG 3 1933, 193

Time (local standard) 90 mer. normal time. 65

| | A.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Temperature at end of hour | 66 | 65 | 65 | 66 | 66 | 69 | 71 | 72 | 72 | 64 | 63 | 64 RE 11:30 |
| State of weather. Nature of precipitation and time of beginning and ending | R Cntd | | | | | | | | | | | |
| Amounts of precipitation | .01 | .01 | .02 | .05 | .01 | T | .01 | T | .01 | .04 | T | T |
| Cloudiness and other conditions | | | | | | | St | | | | | St Cu (Very light mist) |
| Sunrise: Time, 4:39 Character, Cloudy. Moonrise: | | | | | | | | | | | | |
| Sunshine (in tenths of hours) | | | | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Wind direction | NE | E | E | E | E | SE | SW | SW | SW | N | N | NE |
| Wind movement | 5 | 7 | 4 | 5 | 6 | 7 | 9 | 10 | 9 | 9 | 10 | 9 |
| Maximum velocities (exceeding 24 miles) direction and time | | | | | | | | | | | | |

| | P.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Temperature at end of hour | 64 | 65 | 66 | 66 | 65 | 66 | 65 | 64 | 63 | 62 | 60 | 58 |
| State of weather. Nature of precipitation and time of beginning and ending | RB 12:10 RE 12:25 | | | | | | | RB 7:10 RE 7:15 | | | | |
| Amounts of precipitation | T | | | | | | | T | | | | |
| Cloudiness and other conditions | Cloudy (Very light mist) | | | | | | St Cu (Very light mist) | x Rain x Clear | | | | |
| Sunset: Time, 6:55 Character, Cloudy. Moonset: | | | | | | | | | | | | |
| Sunshine (in tenths of hours) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | |
| Wind direction | NE | NE | NE | N | N | N | N | NE | NE | NE | NE | N |
| Wind movement | 11 | 9 | 10 | 10 | 9 | 7 | 10 | 9 | 9 | 6 | 5 | 6 |
| Maximum velocities (exceeding 24 miles) direction and time | | | | | | | | | | | | |

| Maximum Temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 72 | 58 | 65 | |

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0.86 ins.; to 7 p. m., .05 ins.
Total precipitation, midnight to midnight, 0.16 inches.
Character of day, Cloudy Moon phase,
Average daily cloudiness (0-10), 10
Actual sunshine, hours, 0 Possible sunshine, hours, 14.3
Per cent of possible sunshine, 0
Prevailing wind direction, NE Total wind, 191
Average hourly velocity, 8.0 Extreme velocity, 14
Maximum velocity, 13 Direction, N
Time began, 12:27 P. m.
Reduced barometer, 29.88 7 a. m. 30.03 7 p. m.
River gage, 0.8 feet
Relative humidity, 96 7 a. m. 78 7 p. m.

Wind data corrected to true velocity.

| Total duration. From— | To— | Total amount of precipitation. | Excessive rate. Began— | Ended— | Amount before excessive began. |
|---|---|---|---|---|---|
| | | | | | |

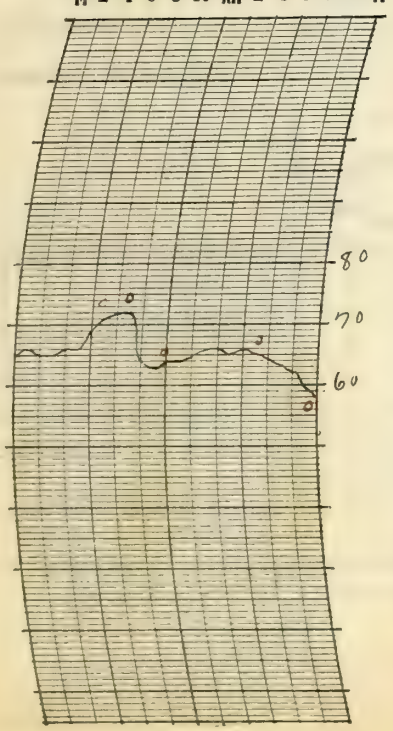
Excessive precipitation, accumulated amounts

| Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | |

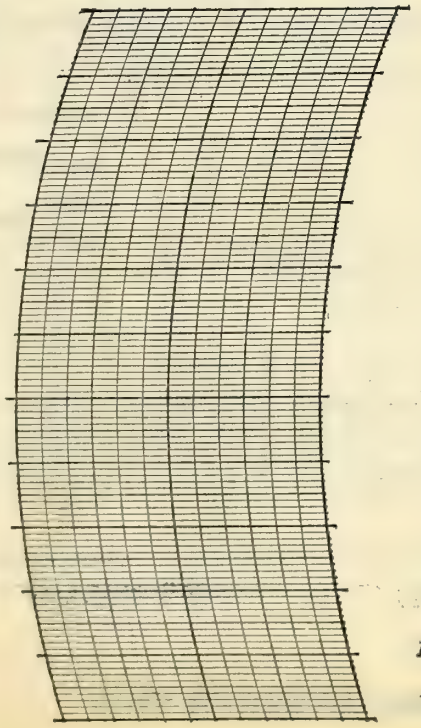
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 63.7 Wet temperature, 61.7
Dew-point, 61 R. humidity, 90 V. pressure, .336
Clouds: Amount, 10; Kind, St Cu; Direction, N
Velocity of clouds (miles per hour)

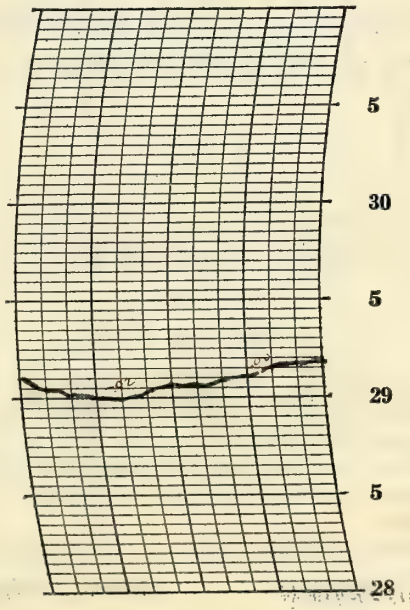
THERMOGRAPH




THERMOGRAPH




BAROGRAPH.




Prepared by L. C. S.

Verified by

8—486

## NOTES

Flying conditions poor during early part of day, when ceiling was 300 ft. and visibility one mile. By noon ceiling had raised to 800 or 900 ft and visibility around 7 miles and continued so the rest of the day.

Form No. 1014—Met'l

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Friday, (Date) AUG 4 1933, 193

Time (local standard) 90 mer. normal time.

| | A.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 | P.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Temperature at end of hour (58) | 57 | 56 | 55 | 55 | 55 | 56 | 59 | 63 | 67 | 69 | 70 | 73 | 73 | 74 | 74 | 74 | 75 | 74 | 73 | 71 | 68 | 65 | 64 | 62 |
| State of weather. Nature of precipitation and time of beginning and ending | | | | | | | | | | | | | | | | | | | | | | | | |
| Amounts of precipitation | | | | | | | | | | | | | | | | | | | | | | | | |
| Cloudiness and other conditions | | | | | | ← Clear | | | | | | × Pt Cldy | | | | | × Clear | | | | → | | | |
| | | | | | | | | | | | | Cu | | | | | a | Cu | | | | | | |
| Sunshine (in tenths of hours) | | | | | .33 0 | 1.0 0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 0.8 | 0.8 | 0.9 | 0.2 0.7 | 90 0 | | | | | |
| Wind direction | NE | NE | NE | N | NE | NE | N | NE | NE | NE | NE | NE | NE | NE | NE | NE | NE | NE | NE | NE | NE | NE | NE | NE |
| Wind movement | 6 | 6 | 6 | 6 | 6 | 7 | 7 | 9 | 10 | 10 | 11 | 10 | 9 | 8 | 9 | 9 | 8 | 8 | 6 | 4 | 2 | 4 | 4 | 6 |
| Maximum velocities (exceeding 24 miles) direction and time | | | | | | | | | | | | | | | | | | | | | | | | |

Sunrise: Time, 4:40 Character, Clear — Moonrise:

Sunset: Time, 6:54 Character, Clear — Moonset:

Wind data corrected to true velocity.

| Total duration. From— | To— | Total amount of precipitation. | Excessive rate. Began— | Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | | | | | |

Excessive precipitation, accumulated amounts

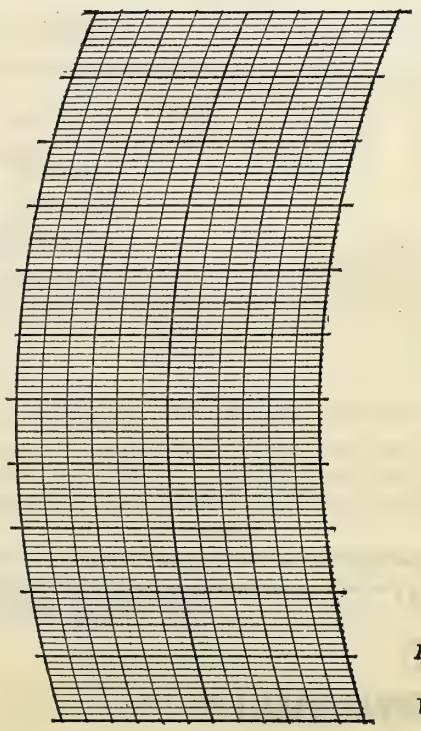
| Maximum Temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 75 | 55 | 65 | |

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., T ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Clear Moon phase,
Average daily cloudiness (0-10), 2
Actual sunshine, hours, 13.6 Possible sunshine, hours, 14.2
Per cent of possible sunshine, 96
Prevailing wind direction, NE Total wind, 171
Average hourly velocity, 7.1 Extreme velocity, 14
Maximum velocity, 14 Direction, NE
Time began, 10:17 a.m.
Reduced barometer, 30.16 7 a. m. 30.11 7 p. m.
River gage, 10 feet
Relative humidity, 68 7 a. m. 44 7 p. m.

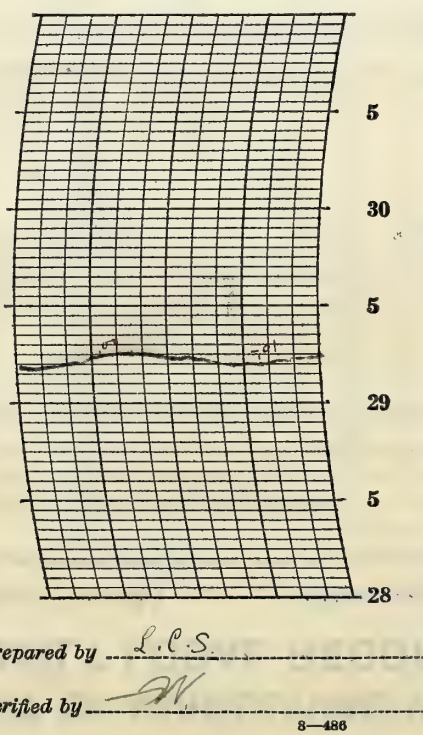
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 72.8 Wet temperature, 59.3
Dew-point, 50 R. humidity, 45 V. pressure, .360
Clouds: Amount, 4; Kind, Cu; Direction, N
Velocity of clouds (miles per hour)

THERMOGRAPH
M 2 4 6 8 10 XII 2 4 6 8 10 M
80 70 60 50



THERMOGRAPH
M 2 4 6 8 10 XII 2 4 6 8 10 M



BAROGRAPH.
M 2 4 6 8 10 XII 2 4 6 8 10 M
5 30 5 29 5 28



Prepared by L.C.S.

Verified by W.

8—486

## NOTES

Ft lying Conditions were excellent all day.

Form No. 1014—Met'1

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Saturday, (Date) AUG 5 1933, 193

Time (local standard) 90 mer. normal time.

| | A.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 | P.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Temperature at end of hour (62) | 61 | 61 | 60 | 59 | 58 | 61 | 64 | 70 | 74 | 76 | 76 | 77 | 76 | 78 | 78 | 78 | 77 | 76 | 75 | 73 | 70 | 69 | 66 | 66 |
| State of weather. Nature of precipitation and time of beginning and ending | | | | | | | | | | | | | | | | | | | | | | | | |
| Amounts of precipitation | | | | | | | | | | | | | | | | | | | | | | | | |
| Cloudiness and other conditions | | | | | | ← | Clear | | → | | Pt Cloudy | | | | | | | | | | | → | | |
| | | | | | | | | cu | | | | acu | | | | | | | acu | | | | | |
| Sunshine (in tenths of hours) | | | | | 32 0 | 1.0 0 | 1.0 | 1.0 | 1.0 | 1.0 | 0.5 | 0.7 | 0.4 | 0.7 | 0.6 | 0.4 | 0 | 0 | 0 | | | | | |
| Wind direction | NE | NE | NE | NE | NE | NE | NE | NE | NE | NE | NE | E | NE | N | N | E | NE | NE | NE | NE | NE | NE | NE | NE |
| Wind movement | 5 | 6 | 5 | 5 | 4 | 4 | 3 | 5 | 3 | 6 | 6 | 7 | 6 | 8 | 8 | 6 | 7 | 5 | 4 | 4 | 4 | 2 | 3 | 3 |
| Maximum velocities (exceeding 34 miles) direction and time | | | | | | | | | | | | | | | | | | | | | | | | |

Sunrise: Time, 441 Character, Clear
Moonrise:

Sunset: Time, 6:53 Character, Cloudy
Moonset:

| Maximum Temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 79 | 58 | 68 | |

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Pt Cloudy Moon phase,
Average daily cloudiness (0–10), 6.5
Actual sunshine, hours, 8.6 Possible sunshine, hours, 14.2
Per cent of possible sunshine, 61
Prevailing wind direction, NE Total wind, 119
Average hourly velocity, 5.0 Extreme velocity, 9
Maximum velocity, 9 Direction, NE
Time began, 3:55 P.M.
Reduced barometer, 30.21 7 a. m. 30.19 7 p. m.
River gage, 0.2 feet
Relative humidity, 70 7 a. m. 49 7 p. m.

Wind data corrected to true velocity.

| Total duration. From— | To— | Total amount of precipitation. | Excessive rate. Began— | Ended— | Amount before excessive began. |
|---|---|---|---|---|---|
| | | | | | |

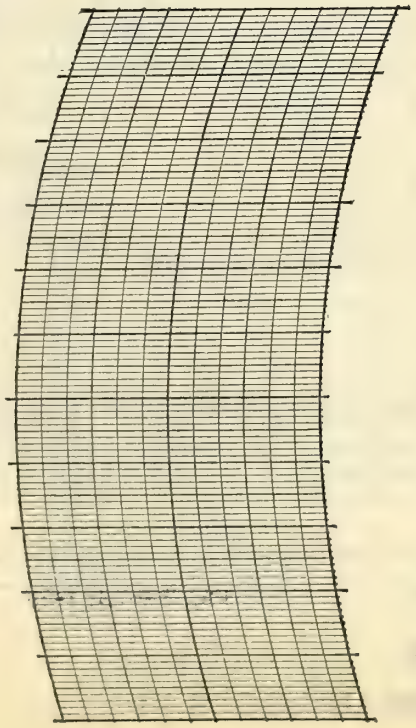
Accumulated depths during excessive rate, for consecutive periods of time indicated below.

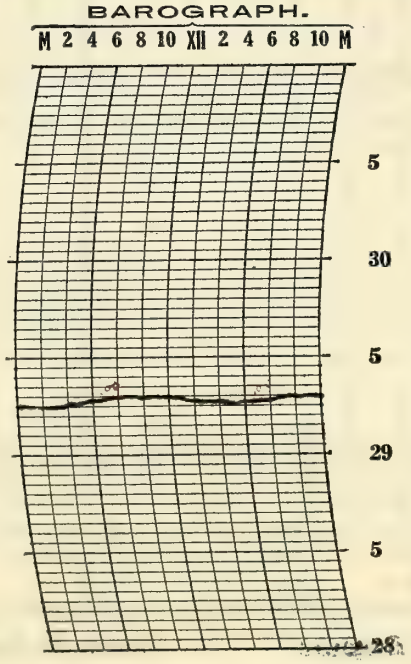
| 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | |

Excessive precipitation, accumulated amounts

OBSERVATIONS AT 12 NOON.
(Local Mean Time.)
Dry temperature, 76.8 Wet temperature, 60.0
Dew-point, 48 R. humidity, 36 V. pressure, .334
Clouds: Amount, 6; Kind, acu; Direction, W
Velocity of clouds (miles per hour)

THERMOGRAPH
M 2 4 6 8 10 XII 2 4 6 8 10 M
90 80 70 60 50




Prepared by L.C.A.
Verified by

8—486

## NOTES

Flying conditions excellent all day.

Form No. 1014—Met'1

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

# DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Sunday, (Date) AUG 6 1933, 193

Time (local standard) 90 mer. normal time.

| | A.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 | P.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Temperature at end of hour (66) | 65 | 64 | 62 | 61 | 60 | 61 | 66 | 70 | 74 | 76 | 78 | 80 | 81 | 81 | 82 | 81 | 82 | 81 | 80 | 78 | 76 | 73 | 72 | 71 |
| State of weather. Nature of precipitation and time of beginning and ending | | | | | | | | | | | | Clear | | | | | | | | | | | | |
| Amounts of precipitation | | | | | | | | | | | | | | | | | | | | | | | | |
| Cloudiness and other conditions | | | | | | | | | | | | a cu | | | | | | | a cu | st | | | | |
| Sunshine (in tenths of hours) | | | | | .30 0 | 1.0 0 | 0.3 0.7 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 0.4 0.6 | .87 0 | | | | | |
| Wind direction | NE | NE | NE | 0 | NE | NE | NE | NE | SE | SE | SE | S | SW | S | S | S | S | SE | SE | SE | SE | SE | SE | SE |
| Wind movement | 3 | 2 | 3 | 1 | 2 | 3 | 3 | 6 | 7 | 7 | 7 | 7 | 7 | 9 | 7 | 9 | 9 | 8 | 5 | 4 | 6 | 4 | 6 | 9 |
| Maximum velocities (exceeding 24 miles) direction and time | | | | | | | | | | | | | | | | | | | | | | | | |

Sunrise: Time, 4:42 Character, Clear. Moonrise:

Sunset: Time, 6:52 Character, Clear. Moonset:

Wind data corrected to true velocity.

| Total duration. From— | To— | Total amount of precipitation. | Excessive rate. Began— | Ended— | Amount before excessive began. |
|---|---|---|---|---|---|
| | | | | | |

Excessive precipitation, accumulated amounts

Accumulated depths during excessive rate, for consecutive periods of time indicated below.

| 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | |

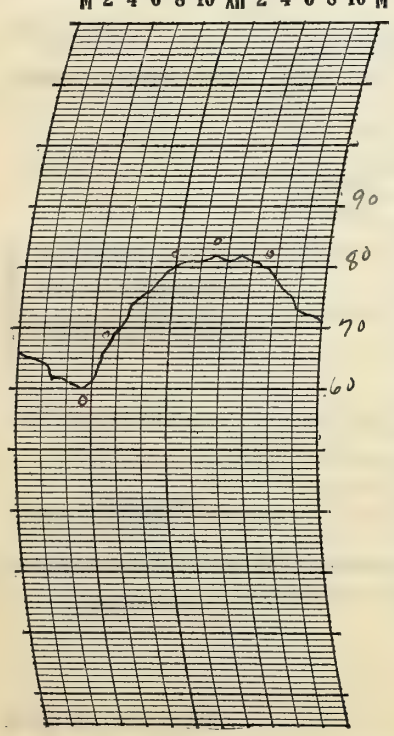
| Maximum Temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 82 | 60 | 71 | |

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Clear Moon phase,
Average daily cloudiness (0-10), 1
Actual sunshine, hours, 14.2 Possible sunshine, hours, 14.2
Per cent of possible sunshine, 100
Prevailing wind direction, SE Total wind, 134
Average hourly velocity, 5.6 Extreme velocity, 12
Maximum velocity, 12 Direction, E
Time began, 11:40 P.M.
Reduced barometer, 30.25 7 a. m. 30.13 7 p. m.
River gage, 0.3 feet
Relative humidity, 60 7 a. m. 39 7 p. m.

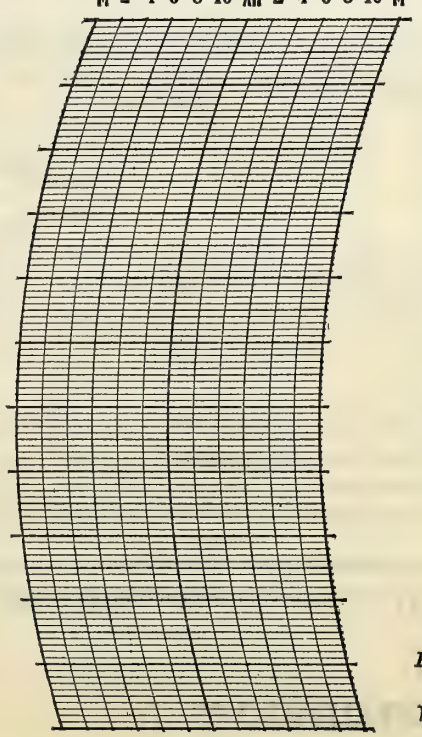
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 80.0 Wet temperature, 62.0
Dew-point, 50 R. humidity, 35 V. pressure, .360
Clouds: Amount, 3; Kind, a cu; Direction, W
Velocity of clouds (miles per hour)

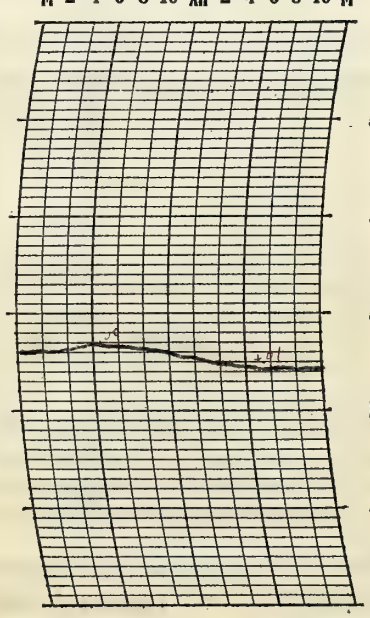
THERMOGRAPH




THERMOGRAPH




BAROGRAPH.




Prepared by L.C.S.

Verified by [illegible]

8—486

## NOTES

Fr lying conditions excellent all day.

Form No. 1014—Met'1

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Monday, (Date) AUG 7 1933, 193

Time (local standard) 90 mer. normal time.

| | A.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 | P.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Temperature at end of hour (71) | 69 | 68 | 67 | 66 | 65 | 66 | 68 | 73 | 76 | 79 | 81 | 82 | 82 | 84 | 83 | 82 | 80 | 76 | 76 | 76 | 76 | 75 | 74 | 71 |
| State of weather. Nature of precipitation and time of beginning and ending | | | | | | | | | | | | | | | | | RB 4:55 RE 5:00 | RB 5:25 RE 5:30 | | | | | RB DNP | RB |
| Amounts of precipitation | | | | | | | | | | | | | | | | | T | T | | | | | .03 | .11 |
| Cloudiness and other conditions | | | | | | ← Clear | | ✕ P+ Cldy | | ✕ | | Cloudy → | | | | | | | | | | | | |
| | | | | | | | Ci | | | | Ci Cu + St Ac | | | | | | | Ci Cu, Ac Cu + Cu | | | | | | |
| Sunshine (in tenths of hours) | | | | | 2.8 0 | 1.0 0 | 0.4 0.6 | 1.0 | 0.8 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 0.4 | 0 | 0 | 0 | 0 | | | | | |
| Wind direction | S | S | S | S | S | S | S | S | W | SW | SW | SW | SW | SW | SW | SW | SW | W | SW | SW | SW | SW | SW | SW |
| Wind movement | 7 | 7 | 7 | 7 | 8 | 7 | 8 | 10 | 12 | 14 | 16 | 15 | 15 | 15 | 15 | 12 | 14 | 10 | 9 | 9 | 10 | 11 | 10 | 11 |
| Maximum velocities (exceeding 24 miles) direction and time | | | | | | | | | | | | | | | | | | | | | | | | |

Sunrise: Time, 4:43 Character, Clear. Moonrise:

Sunset: Time, 6:51 Character, Cloudy. Moonset:

Wind data corrected to true velocity.

| Total duration. From— | To— | Total amount of precipitation. | Excessive rate. Began— | Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | | | | | |

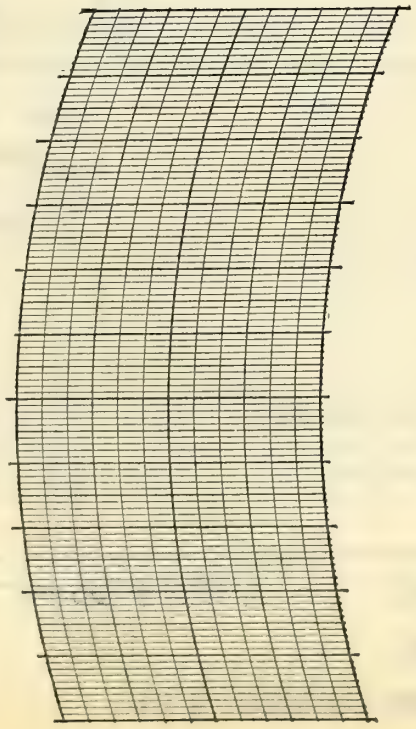
Excessive precipitation, accumulated amounts

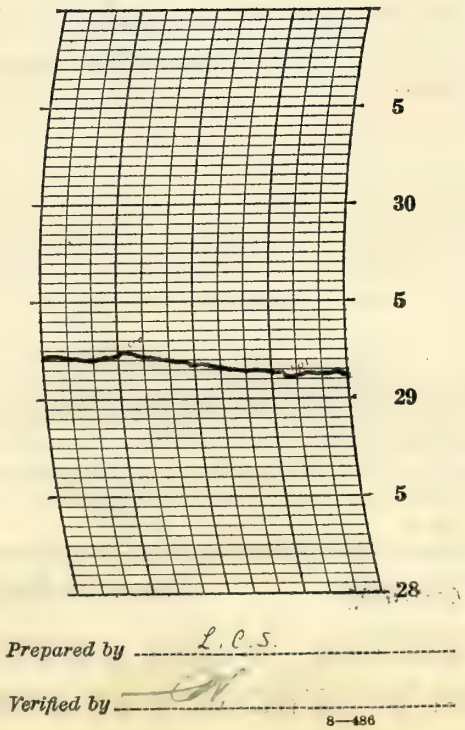
| Maximum Temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 84 | 65 | 74 | |

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., T ins.
Total precipitation, midnight to midnight, 0.14 inches.
Character of day, P+ Cloudy Moon phase,
Average daily cloudiness (0-10), 6.7
Actual sunshine, hours, 9.5 Possible sunshine, hours, 14.1
Per cent of possible sunshine, 67
Prevailing wind direction, SW Total wind, 259
Average hourly velocity, 10.8 Extreme velocity, 21
Maximum velocity, 20 Direction, SW
Time began, 10:51 a.m.
Reduced barometer, 30.15 7 a. m. 30.02 7 p. m.
River gage, 0.3 feet
Relative humidity, 75 7 a. m. 66 7 p. m.

OBSERVATIONS AT 12 NOON.
(Local Mean Time.)
Dry temperature, 82.3 Wet temperature, 69.3
Dew-point, 63 R. humidity, 52 (4 a.m.) V. pressure, 575
Clouds: Amount, 5; Kind, St Cu; Direction, SW (5)
Velocity of clouds (miles per hour)

THERMOGRAPH
M 2 4 6 8 10 XII 2 4 6 8 10 M
90 80 70 60




Prepared by L. C. S.

Verified by

8—486

## NOTES

Flying conditions were excellent all day.

Form No. 1014—Met'l

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

# DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Tuesday, (Date) AUG 8 1933, 193

Time (local standard) 90 mer. normal time.

| | A.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 | P.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Temperature at end of hour | 70 | 70 | 70 | 70 | 71 | 71 | 72 | 73 | 75 | 77 | 79 | 81 | 83 (85) | 84 | 84 | 84 | 83 | 82 | 80 | 77 | 75 | 73 | 71 | 70 |
| State of weather: Nature of precipitation and time of beginning and ending | RE DNA | | | | | | | | | | | | | | | | | | | | | | | |
| Amounts of precipitation | .02 | | | | | | | | | | | | | | | | | | | | | | | |
| Cloudiness and other conditions | | | | | | ← Cloudy | | × P+ Cloudy | | | | | × Cloudy | | | | × P+ Cloudy | | | × Clear → | | | | |
| | | | | | | SA | | | | | | Ci St+ | | | | | | Ci Cu + Cu | | | | | | |
| Sunshine (in tenths of hours) | | | | | 0 | 0 | 0 | 0.5 | 0.6 | 0.4 | 0.6 | 0.9 | 1.0 | 0.7 | 0.7 | 0.8 | 0.6 | 0.6 (0.4) 0.2 | 0 | | | | | |
| Wind direction | SW | S | SW | SW | SW | SW | SW | SW | W | NW | NW | NW | NW | NW | NW | NW | NW | N | N | N | N | N | N | N |
| Wind movement | 9 | 10 | 9 | 7 | 6 | 6 | 6 | 7 | 6 | 7 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 6 | 4 | 4 | 4 | 7 | 5 |
| Maximum velocities (exceeding 24 miles) direction and time | | | | | | | | | | | | | | | | | | | | | | | | |

Sunrise: Time, 4:44 Character, Cloudy. Moonrise:

Sunset: Time, 6:49 Character, Clear. Moonset:

Wind data corrected to true velocity.

| Total duration. From— | To— | Total amount of precipitation. | Excessive rate. Began— | Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | | | | | |

Excessive precipitation, accumulated amounts

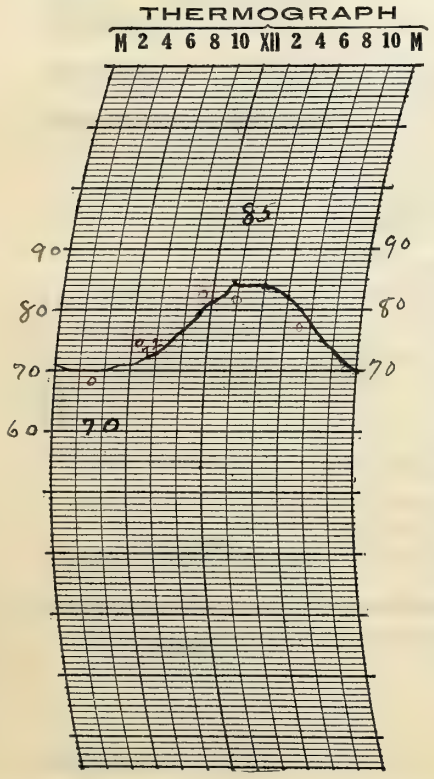
| Maximum Temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 85 | 70 | 78 | |

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., .16 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, .02 inches.
Character of day, Cloudy Moon phase,
Average daily cloudiness (0-10), 8
Actual sunshine, hours, 8.6 Possible sunshine, hours, 14.1
Per cent of possible sunshine, 61
Prevailing wind direction, NW Total wind, 174
Average hourly velocity, 7.2 Extreme velocity, 12
Maximum velocity, 12 Direction, NW
Time began, 1:43 P.m
Reduced barometer, 30.02 7a. m. 30.02 7p. m.
River gage, 0.9 feet
Relative humidity, 93 7a. m. 51 7p. m.

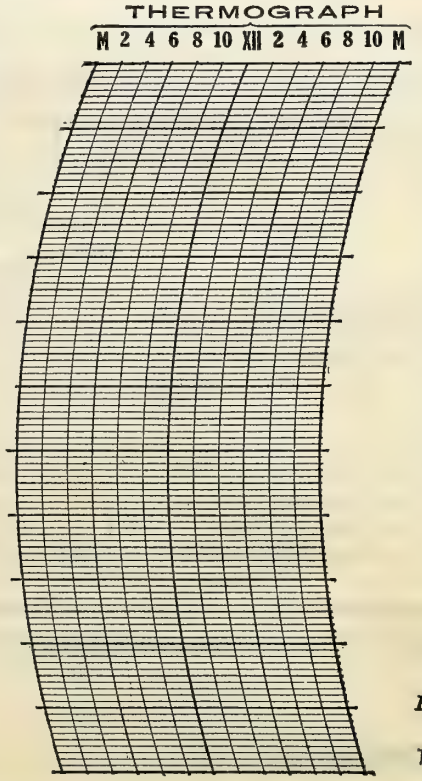
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 80.9 Wet temperature, 71.4
Dew-point, 67 R. humidity, 63 V. pressure, .661
Clouds: Amount, 7; Kind, Ci St+; Direction, N
Velocity of clouds (miles per hour)

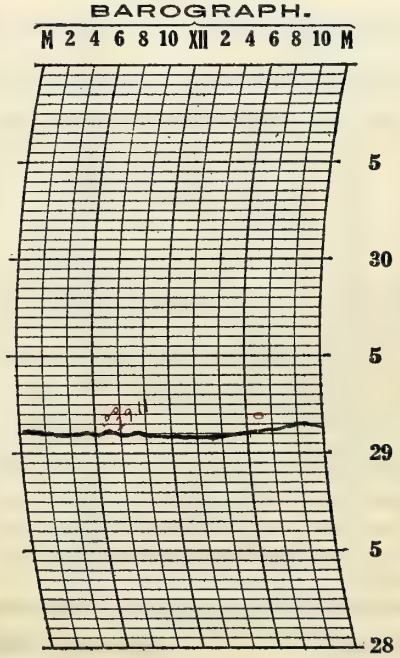
THERMOGRAPH




THERMOGRAPH




BAROGRAPH.




Prepared by F.C.S.

Verified by

8—486

* Interpolated; pen not writing.

## NOTES

Flying Conditions good. Ceiling unlimited and Visibility 3 to 5 miles

Form No. 1014—Met'1

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Wednesday, (Date) AUG 9 1933, 193

Time (local standard) 90 mer. normal time.

| | A.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 | P.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Temperature at end of hour 70 | 69 | 68 | 66 | 65 | 64 | 66 | 68 | 71 | 75 | 76 | 77 | 78 | 80 | 80 | 79 | 78 | 76 RB 4:05 | 74 RE 5:30 | 74 | 73 | 72 | 70 RB 9:05 | 68 | 67 R end |
| State of weather. Nature of precipitation and time of beginning and ending | | | | | | + Clear | | × Pt Cloudy | | | Cloudy | | | | | | | | | | | | | |
| Amounts of precipitation | | | | | | | | | | | | | | | | | T | T | | | | .01 | .05 | .07 |
| Cloudiness and other conditions | | | | | | | Cu | | | | Cu St + Cu | | | | | | | a St, Cu + St + Cu | | | | | | |
| Sunshine (in tenths of hours) | | | | | .27 0 | 1.0 0 | 0.2 0.5 | 0.8 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 0.8 | 0 | 0 | 0 | 0 | 0 | | | | | |
| Wind direction | N | N | NE | NE | NE | NE | E | E | E | NE | E | NE | E | SE | SE | SE | SE | E | E | E | NE | NE | E | E |
| Wind movement | 6 | 6 | 8 | 8 | 5 | 6 | 6 | 8 | 8 | 7 | 8 | 7 | 6 | 6 | 6 | 4 | 5 | 6 | 7 | 6 | 4 | 5 | 7 | 5 |
| Maximum velocities (exceeding 24 miles) direction and time | | | | | | | | | | | | | | | | | | | | | | | | |

Sunrise: Time 4:44, Character Clear. Moonrise:

Sunset: Time 6:48, Character Cloudy. Moonset:

Wind data corrected to true velocity.

| Total duration. From— | To— | Total amount of precipitation. | Excessive rate. Began— | Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | | | | | |

Excessive precipitation, accumulated amounts

| Maximum Temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 80 | 64 | 72 | |

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., T ins.
Total precipitation, midnight to midnight, 0.13 inches.
Character of day, Cloudy Moon phase,
Average daily cloudiness (0-10), 8
Actual sunshine, hours, 8.6 Possible sunshine, hours, 14.1
Per cent of possible sunshine, 61
Prevailing wind direction, E Total wind, 150
Average hourly velocity, 6.2 Extreme velocity, 9
Maximum velocity, 9 Direction, NE
Time began, 3:33 a. m
Reduced barometer, 30.08 7 a. m. 29.95 7 p. m.
River gage, -0.4 feet
Relative humidity, 78 7 a. m. 70 7 p. m.

OBSERVATIONS AT 12 NOON.
(Local Mean Time.)
Dry temperature, 78.4 Wet temperature, 66.4
Dew-point, 60 R. humidity, 53 V. pressure, 517
Clouds: Amount, 7 ew; Kind, Cu; Direction, NW
Velocity of clouds (miles per hour)

THERMOGRAPH
M 2 4 6 8 10 XII 2 4 6 8 10 M
80
70
60
80
64

THERMOGRAPH
M 2 4 6 8 10 XII 2 4 6 8 10 M

BAROGRAPH.
M 2 4 6 8 10 XII 2 4 6 8 10 M
5
30
5
29
5
28

Prepared by L.C.S.
Verified by C.F.I.

8—486

## NOTES

Flying conditions were excellent all day
Solar Halo was bright at 9:00 a m but by
9:50 a m. faintly circumscribed and continued as
until 12:05 P after which time it appeared
only intermittently.

Form No. 1014—Met'1

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Thursday, (Date) AUG 10 1933, 193

Time (local standard) 90 mer. normal time.

| | A.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 | P.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Temperature at end of hour | 67 | 66 | 65 | 63 | 64 | 64 | 64 | 64 | 65 | 66 | 66 | 69 | 69 | 71 | 73 | 75 | 75 (76) | 75 | 74 | 71 | 69 | 68 | 67 | 67 |
| State of weather. Nature of precipitation and time of beginning and ending | Rn'td | | | | | | | RE 8:00 | | RB 9:45 | RE 10:50 | | | | | | | | | | | | | |
| Amounts of precipitation | .08 | .26 | .32 | .15 | .04 | T | 0.1 | T | | T | T | | | | | | | | | | | | | |
| Cloudiness and other conditions | ← Cloudy → | | | | | | | | | | | | ← Cloudy → | | | | ← Cloudy → | | | | ← Clear → | | | |
| | Sunrise: Time, 4:45 Character, Cloudy. Moonrise: | | | | | | mist St | 6:30A to 8:04A (mist) | | | | St | Cu | | | | | | Cu | | Sunset: Time, 6:47 Character, Clear. Moonset: | | | |
| Sunshine (in tenths of hours) | | | | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.1 | 0 | 0.4 | 0.4 | 0.6 | 0.5 | 0.4 (0.6) | 0 (.78) | | | | | |
| Wind direction | E | E | E | NE | NE | NE | NE | NE | NE | NE | NE | NE | NE | NE | NE | NE | NE | NE | NE | NE | NE | NE | NE | NE |
| Wind movement | 6 | 6 | 8 | 8 | 7 | 8 | 7 | 8 | 8 | 9 | 9 | 7 | 7 | 6 | 7 | 6 | 4 | 5 | 3 | 3 | 5 | 3 | 3 | 3 |
| Maximum velocities (exceeding 24 miles) direction and time | | | | | | | | | | | | | | | | | | | | | | | | |

Wind data corrected to true velocity.

| Total duration. From— | To— | Total amount of precipitation. | Excessive rate. Began— | Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | | | | | |

Excessive precipitation, accumulated amounts

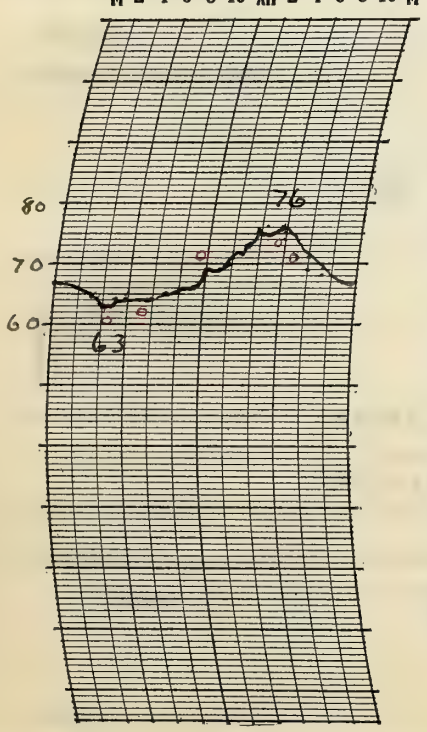
| Maximum Temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 76 | 63 | 70 | |

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m. 0.99 ins.; to 7 p. m., T ins.
Total precipitation, midnight to midnight, 0.86 inches.
Character of day, Cloudy Moon phase,
Average daily cloudiness (0-10), 8
Actual sunshine, hours, 3.8 Possible sunshine, hours, 14.0
Per cent of possible sunshine, 27
Prevailing wind direction, NE Total wind, 146
Average hourly velocity, 6.1 Extreme velocity, 11
Maximum velocity, 11 Direction, NE
Time began, 10:06 a m.
Reduced barometer, 29.84 7 a. m. 29.86 7 p. m.
River gage, 0.9 feet
Relative humidity, 97 7 a. m. 74 7 p. m.

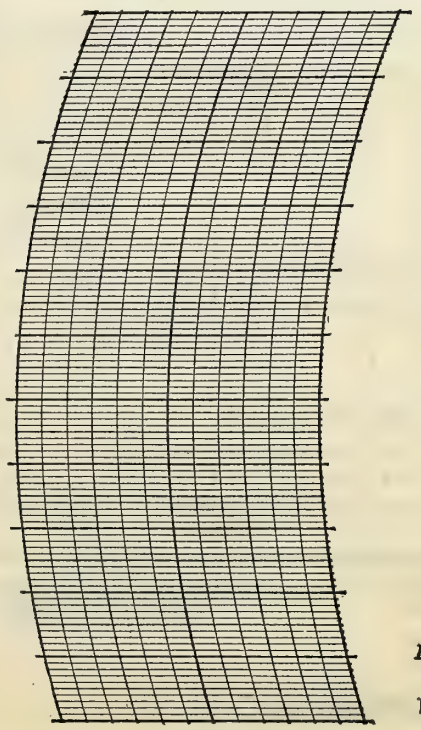
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 69.3 Wet temperature, 66.2
Dew-point, 65 R. humidity, 85 V. pressure, 616
Clouds: Amount, 10; Kind, St Cu Direction, NE
Velocity of clouds (miles per hour)

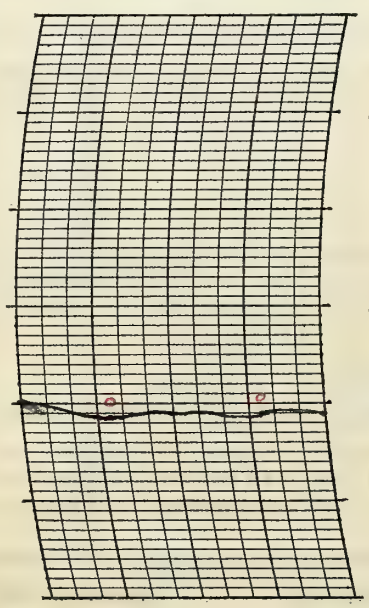
THERMOGRAPH




THERMOGRAPH




BAROGRAPH.




Prepared by L. C. S

Verified by [illegible]

8—486

## NOTES

Flying conditions were fair. Lowest ceiling was 850 ft. and lowest visibility was 4 miles.

Form No. 1014—Met'l

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Friday, (Date) AUG 11 1933, 193

Time (local standard) 90 mer. normal time.

| | A.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 | P.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Temperature at end of hour | 67 | 65 | 64 | 63 | 62 | 61 | 62 | 64 | 70 | 74 | 76 | 78 | 79 | 81 | 82 | 82 | 81 | 75 | 74 | 72 | 72 | 71 | 71 | 70 | 68 |
| State of weather. Nature of precipitation and time of beginning and ending | | | | RB 0 N.A. RE 0 N.A. | | | | | | | | | | | | | | RB 4[50] RE 5[05] | | | | | | | |
| Amounts of precipitation | | | | T | | | | | | | | | | | | | | 03 | 01 | | | | | | |
| Cloudiness and other conditions | | | | Rain | | | | clear | | | | | | Partly cloudy | to | | | Cloudy Cu Nb | to Cu | | Partly cloudy | | clear | | |
| Sunshine (in tenths of hours) | | | | | 2.2 0 | 1.0 0 | 0.6 0.4 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 0.7 | 0.8 | 0 | 0.3 | 0 | | | | | |
| Wind direction | NE | NE | NE | NE | NE | NE | NE | NE | SW | SW | S | SW | SW | SW | SW | SW | SW | SW | SW | SW | SW | SW | SW | SW |
| Wind movement | 4 | 3 | 3 | 4 | 4 | 3 | 3 | 6 | 8 | 9 | 9 | 10 | 12 | 11 | 10 | 12 | 13 | 6 | 5 | 6 | 5 | 5 | 5 | 3 |
| Maximum velocities (exceeding 24 miles) direction and time | | | | | | | | | | | | | | | | | | | | | | | | |

Sunrise: Time 4:47, Character Clear (Through Lightning)
Moonrise:
Sunset: Time 6:45, Character Cloudy
Moonset:

Wind data corrected to true velocity.

| Total duration. From— | To— | Total amount of precipitation. | Excessive rate. Began— | Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | | | | | |

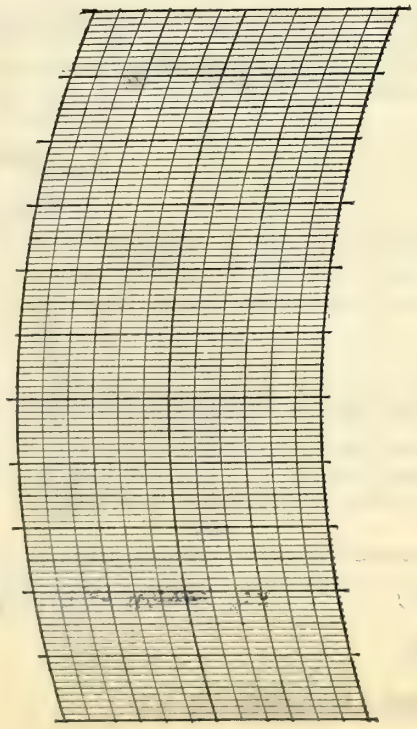
Excessive precipitation, accumulated amounts

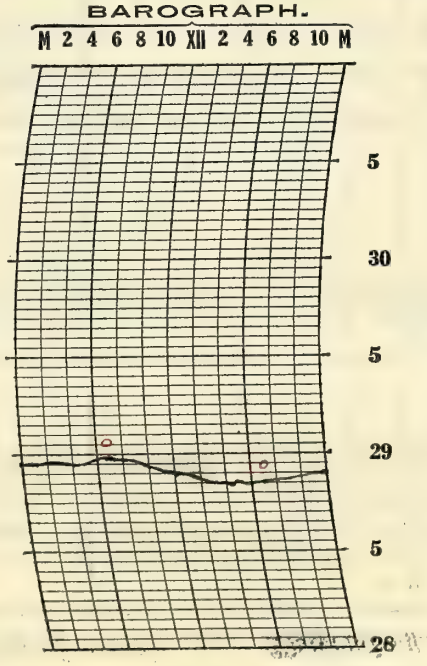
| Maximum Temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 82 | 61 | 72 | |

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., T ins.; to 7 p. m., .04 ins.
Total precipitation, midnight to midnight, .04 inches.
Character of day, Pt. Cldy. Moon phase,
Average daily cloudiness (0-10), 4
Actual sunshine, hours, 11.0 Possible sunshine, hours, 14.0
Per cent of possible sunshine, 79
Prevailing wind direction, SW Total wind, 159
Average hourly velocity, 6.6 Extreme velocity, 22
Maximum velocity, 21 Direction, SW
Time began, 4 38 p.m.
Reduced barometer, 29.89 7 a. m. 29.77 7 p. m.
River gage, 0.2 feet
Relative humidity, 97 7 a. m. 77 7 p. m.

OBSERVATIONS AT 12 NOON.
(Local Mean Time.)
Dry temperature, 79.1 Wet temperature, 67.1
Dew-point, 61 R. humidity, 54 V. pressure, .536
Clouds: Amount, 7 ew; Kind, Cu; Direction, S
Velocity of clouds (miles per hour)

THERMOGRAPH
M 2 4 6 8 10 XII 2 4 6 8 10 M
90 80 70 60
82 61




Prepared by L. C. Dunn
Verified by

8—486

## NOTES

TR Light to moderate Thunder first heard at 4:05 pm, last at 5:00 pm

Fog, beginning during the night (a.m.) was light at the station, but dense over lowlands. Ended at 7[20] a.m.

Flying conditions were really good during the day, being hampered by the fog in the morning, & the Thundersquall in the afternoon.

Form No. 1014—Met'l

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Saturday, (Date) AUG 12 1933, 193

Time (local standard) 90 mer. normal time.

| | A.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 | P.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Temperature at end of hour | 68 | 67 | 66 | 65 | 64 | 63 | 65 | 67 | 70 | 74 | 79 | 81 | 83 | 84 | 85 | 85 | 85 | 84 | 83 | 81 | 78 | 78 | 76 | 75 | 73 |
| State of weather. Nature of precipitation and time of beginning and ending | | | | | | | | | | | | | | | | | | | | | | RB 905 RE DV | | | |
| Amounts of precipitation | | | | | | | | | | | | | | | | | | | | | | T | | | |
| Cloudiness and other conditions | | | | | ← Clear | | × | Partly Cloudy St. Cu. | | | × | Clear | | | | | | × | Partly cloudy Cu, St + St Cu. | × | clear → | | | | |
| Sunshine (in tenths of hours) | | | | | .20 | 1.0 | 0.1 | 0.5 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 0.6 | 1.0 | 0.4 | .73 | | | | | | |
| Wind direction | SW | SW | SW | SW | SW | SW | SW | SW | SW | S | SW | S | S | SW | SW | SW | SW | SW | S | S | SW | SW | SW | SW |
| Wind movement | 5 | 5 | 5 | 5 | 7 | 7 | 6 | 7 | 10 | 13 | 14 | 15 | 18 | 17 | 17 | 16 | 15 | 11 | 9 | 10 | 10 | 9 | 12 | 10 |
| Maximum velocities (exceeding 24 miles) direction and time | | | | | | | | | | | | | | | | | | | | | | | | |

Sunrise: Time, 4:48 Character, Clear
Moonrise:
Sunset: Time, 6:44 Character, Clear
Moonset:

Wind data corrected to true velocity.

| Total duration. From— | To— | Total amount of precipitation. | Excessive rate. Began— | Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | | | | | |

Excessive precipitation, accumulated amounts

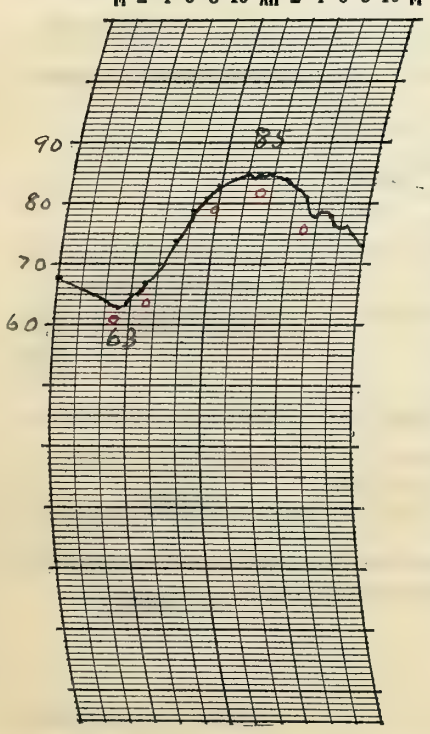
| Maximum Temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 85 | 63 | 74 | |

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, T inches.
Character of day, Pt. Cloudy Moon phase,
Average daily cloudiness (0-10), 4
Actual sunshine, hours, 12.2 Possible sunshine, hours, 13.9
Per cent of possible sunshine, 88
Prevailing wind direction, SW Total wind, 253
Average hourly velocity, 10.5 Extreme velocity, 21
Maximum velocity, 21 Direction, S
Time began, 12 28 p. m.
Reduced barometer, 29.83 7 a. m. 29.20 7 p. m.
River gage, 0.3 feet
Relative humidity, 80 7 a. m. 54 7 p. m.

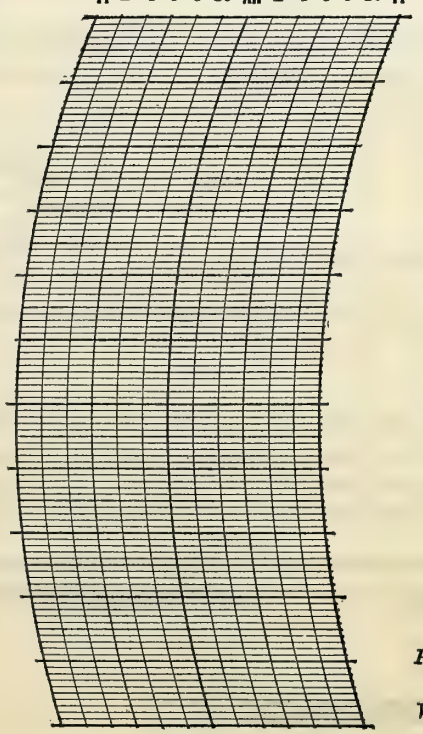
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 83.0 Wet temperature, 68.0
Dew-point, 60 R. humidity, 46 V. pressure, .517
Clouds: Amount, 2; Kind, Ci; Direction, NW
~~Velocity of clouds (miles per hour)~~

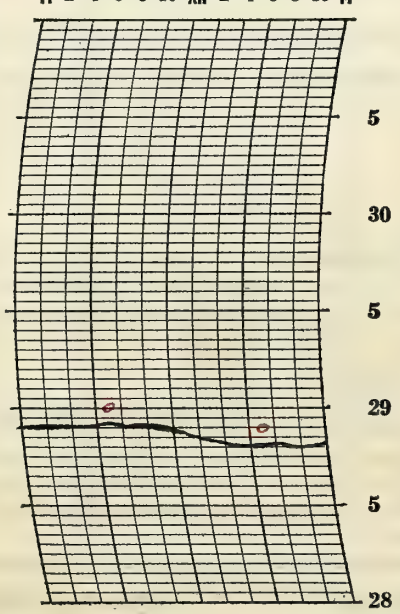
THERMOGRAPH




THERMOGRAPH




BAROGRAPH.




Prepared by W.
Verified by L.C.S

8—486

## NOTES

Lightning in southwest shortly before the trace of rain fell, during the evening.

Flying conditions very good.

Form No. 1014—Met'l

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(Station) ~~Fort Wayne, Ind.~~ Fort Wayne, Ind., (Day of week) Sunday, (Date) AUG 13 1933, 193

| Time (local standard) 90 mer. normal time. | A.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 | P.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Temperature at end of hour | 73 | 72 | 70 | 68 | 67 | 66 | 67 | 68 | 70 | 72 | 74 | 76 | 77 | 78 | 78 | 79 | 77 | 74 | 71 | 69 | 65 | 62 | 60 | ⊗59 | ⊗58 |
| State of weather. Nature of precipitation and time of beginning and ending | | | | | | | | | | | | | | | | | | | | | | | | |
| Amounts of precipitation | | | | | | | | | | | | | | | | | | | | | | | | |
| Cloudiness and other conditions | | | | | | Clear | | Partly Cloudy | | | | | Cloudy | | Partly Cloudy | | Cloudy to Partly Cloudy | | Clear | | | | | |
| | | | | | | | | ci | | +a | cu + stcu | | | | | | | | | | | | | |
| Sunshine (in tenths of hours) | | | | | .18 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 0.9 | 1.0 | 1.0 | 0.5 | .72 | | | | | |
| Wind direction | W | W | NW | N | N | N | N | NE | N | N | N | NW | NW | NW | NW | NW | NW | NW | NW | NW | NW | NW | NW | NW |
| Wind movement | 8 | 7 | 9 | 8 | 2 | 5 | 5 | 8 | 9 | 7 | 2 | 5 | 10 | 11 | 12 | 12 | 14 | 12 | 10 | 8 | 7 | 5 | 7 | 5 |
| Maximum velocities (exceeding 24 miles) direction and time | | | | | | | | | | | | | | | | | | | | | | | | |

Sunrise: Time 4:49, Character Clear. Moonrise:

Sunset: Time 6:43, Character Clear. Moonset:

| Wind data corrected to true velocity. | Total duration. From— | To— | Total amount of precipitation. | Excessive rate. Began— | Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Excessive precipitation, accumulated amounts | | | | | | | | | | | | | | | | | | | | |

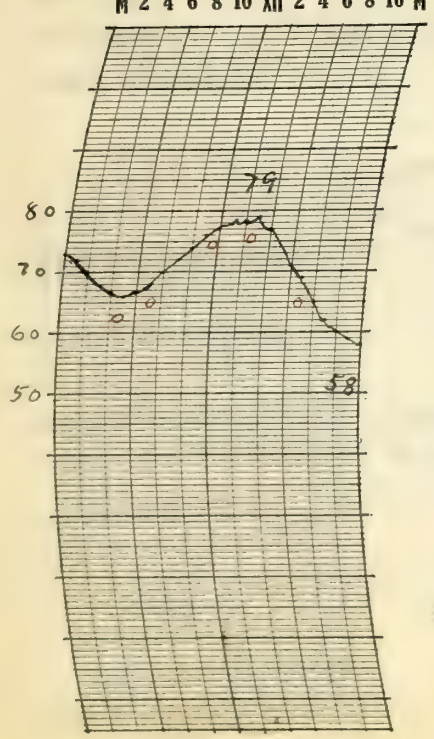
| Maximum Temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 79 | ⊗58 | 68 | |

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., T ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Pt. Cloudy Moon phase,
Average daily cloudiness (0-10), 5
Actual sunshine, hours, 13.8 Possible sunshine, hours, 13.9
Per cent of possible sunshine, 99
Prevailing wind direction, NW Total wind, 198
Average hourly velocity, 8.2 Extreme velocity, * 17
Maximum velocity, * 16 Direction, NW
Time began, 3:52 p.m. —
Reduced barometer, 29.84 7 a. m. 29.94 7 p. m.
River gage, 0.8 feet
Relative humidity, 83 7 a. m. 49 7 p. m.

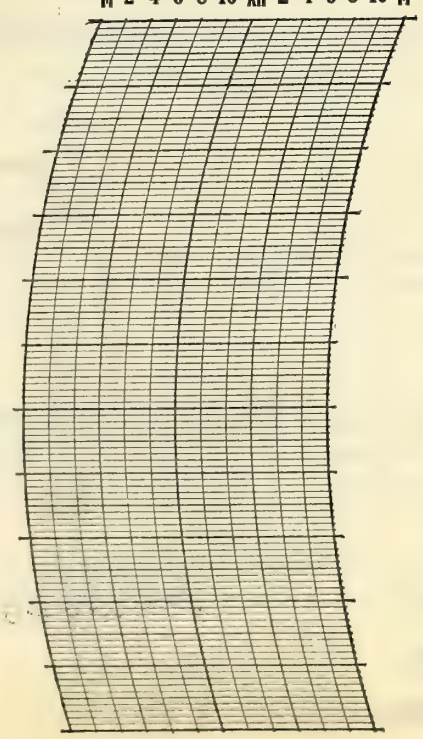
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 77.1 Wet temperature, 64.6
Dew-point, 57 R. humidity, 51 V. pressure, .465
Clouds: Amount, 7; Kind, St. Cu; Direction, W
~~Velocity of clouds (miles per hour)~~ —

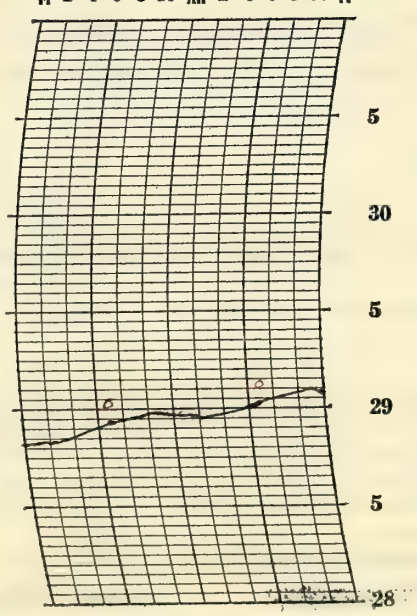
THERMOGRAPH




THERMOGRAPH




BAROGRAPH.




Prepared by W.

Verified by L. C. S.

8—486

NOTES

× Interpolated; clock stopped.

⊗ Interpolated; pen not working.

* For 17 hrs. 45 min.

Flying conditions excellent.

Form No. 1014—Met'l.

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Monday, (Date) AUG 14 1933, 193

Time (local standard) 90 mer. normal time.

| | A.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 | P.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Temperature at end of hour | ⊗ 58 | ⊗ 57 | ⊗ 56 | ⊗ 56 | ⊗ 55 | 54 55 | 55 | 61 | 65 | 69 | 70 | 72 | 75 | 77 | 77 | 78 | 77 | 77 | 75 | 73 | 71 | 68 | 65 | 64 | 62 |
| State of weather. Nature of precipitation and time of beginning and ending | | | | | | | | | | | | | | | | | | | | | | | | |
| Amounts of precipitation | | | | | | | | | | | | | | | | | | | | | | | | |
| Cloudiness and other conditions | | | | | | ← Clear | | | | | × Pt+14 Cloudy | | × | | | Clear | | | | | | → | | |
| Sunrise: Time, Character, 4:50 Clear. Moonrise: | | | | | | | | | a. cu | | | | | | | cl | | | | | Sunset: Time, 6:41 Character, clear. Moonset: | | | |
| Sunshine (in tenths of hours) | | | | | .1 7 | 1.0 | 0.5 0.3 | 0.9 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 0.7 | 0.4 | 0.8 | 0.7 0.2 | .68 | | | | | |
| Wind direction | NW | NW | NW | NW | NW | NW | NW | NW | W | W | W | W | NW | W | NW | NW | NW | NW | N | N | N | N | O | O |
| Wind movement | 6 | 4 | 5 | 4 | 3 | 3 | 5 | 7 | 9 | 10 | 12 | 12 | 12 | 12 | 12 | 10 | 11 | 10 | 6 | 3 | 2 | 2 | 1 | 1 |
| Maximum velocities (exceeding 24 miles) direction and time | | | | | | | | | | | | | | | | | | | | | | | | |

Wind data corrected to true velocity.

| | Total duration. From— | To— | Total amount of precipitation. | Excessive rate. Began— | Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Excessive precipitation, accumulated amounts | | | | | | | | | | | | | | | | | | | | |

| Maximum Temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 78 | 54 | 66 | |

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Clear Moon phase,
Average daily cloudiness (0-10), 2
Actual sunshine, hours, 12.4 Possible sunshine, hours, 13.8
Per cent of possible sunshine, 90
Prevailing wind direction, NW Total wind, 162
Average hourly velocity, 6.8 Extreme velocity, 14
Maximum velocity, 14 Direction, W
Time began, 10:40 a.m.
Reduced barometer, 30.08 7 a. m. 30.09 7 p. m.
River gage, 1.3 feet
Relative humidity, 63 7 a. m. 40 7 p. m.

OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 74.8 Wet temperature, 57.8
Dew-point, 45 R. humidity, 34 V. pressure, 298
Clouds: Amount, 4; Kind, a. Cu; Direction, W
~~Velocity of clouds (miles per hour)~~:

THERMOGRAPH
M 2 4 6 8 10 XII 2 4 6 8 10 M
80 70 60 50
78 54

THERMOGRAPH
M 2 4 6 8 10 XII 2 4 6 8 10 M

BAROGRAPH.
M 2 4 6 8 10 XII 2 4 6 8 10 M
5 30 5 29 5 28

Prepared by W.
Verified by L.C.S.

8—486

NOTES

⊗ Interpolated; pen not writing

Flying conditions excellent

Form No. 1014—Met'l

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(Station) Fort Warren Wyo, (Day of week) Tuesday, (Date) AUG 15 1933, 193

Time (local standard) 90 mer. normal time.

| | A.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Temperature at end of hour | 62 | 61 | 60 | 58 | 62 | 58 | 60 | 63 | 66 | 70 | 74 | 76 | 78 |
| State of weather. Nature of precipitation and time of beginning and ending | | | | | | | | | | | | | |
| Amounts of precipitation | | | | | | | | | | | | | |
| Cloudiness and other conditions | | | | | | | ← Partly Cloudy a. Cu. | | ✕ Clear | | | |
| Sunrise: Time, Character, 4:51 Clear. Moonrise: | | | | | | | | | | | | |
| Sunshine (in tenths of hours) | | | | | .15 | 1.0 | 0.3 0.1 | 0.8 | 1.0 | 1.0 | 1.0 | 1.0 |
| Wind direction | N | N | N | N | N | N | N | N | SW | SW | S | S |
| Wind movement | 2 | 2 | 3 | 2 | 4 | 3 | 4 | 5 | 5 | 6 | 8 | 9 |
| Maximum velocities (exceeding 24 miles) direction and time | | | | | | | | | | | | |

| | P.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Temperature at end of hour | 80 | 81 | 81 | 81 | 80 | 79 | 76 | 74 | 72 | 71 | 69 | 66 |
| State of weather. Nature of precipitation and time of beginning and ending | | | | | | | | | | | | |
| Amounts of precipitation | | | | | | | | | | | | |
| Cloudiness and other conditions | ← Partly Cloudy a. Cu. | | | | | | | ✕ Clear | | | | |
| Sunset: Time, Character, 6:40 Clear. Moonset: | | | | | | | | | | | | |
| Sunshine (in tenths of hours) | 1.0 | 1.0 | 1.0 | 1.0 | 0.7 | .07 0 | .67 | | | | | |
| Wind direction | SW | W | SW | S | SW | SW | SW | SW | SW | SW | S | S |
| Wind movement | 9 | 9 | 9 | 9 | 8 | 8 | 4 | 4 | 5 | 5 | 6 | 5 |

Wind data corrected to true velocity.

| Total duration. From— | To— | Total amount of precipitation. | Excessive rate. Began— | Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | | | | | |

Excessive precipitation, accumulated amounts

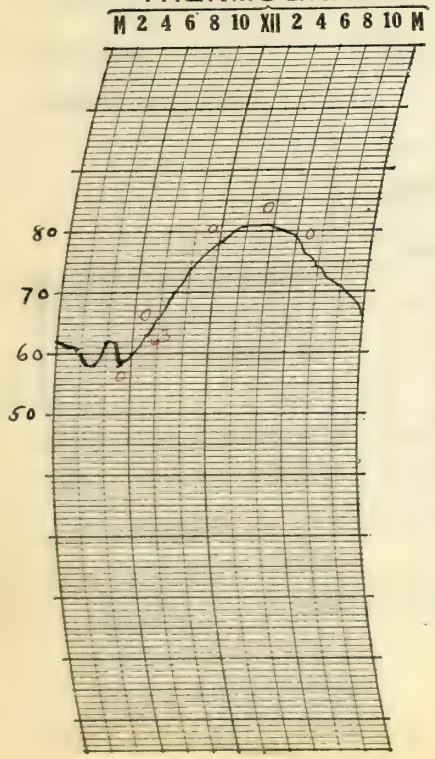
| Maximum Temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 81 | 58 | 70 | |

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Clear Moon phase,
Average daily cloudiness (0-10), 3
Actual sunshine, hours, 12.4 Possible sunshine, hours, 13.8
Per cent of possible sunshine, 90
Prevailing wind direction, SW Total wind, 134
Average hourly velocity, 5.6 Extreme velocity, 11
Maximum velocity, 11 Direction, S
Time began, 3:10 p.m.
Reduced barometer, 30.18 7 a. m. 30.13 7 p. m.
River gage, 1.5 feet
Relative humidity, 67 7 a. m. 55 7 p. m.

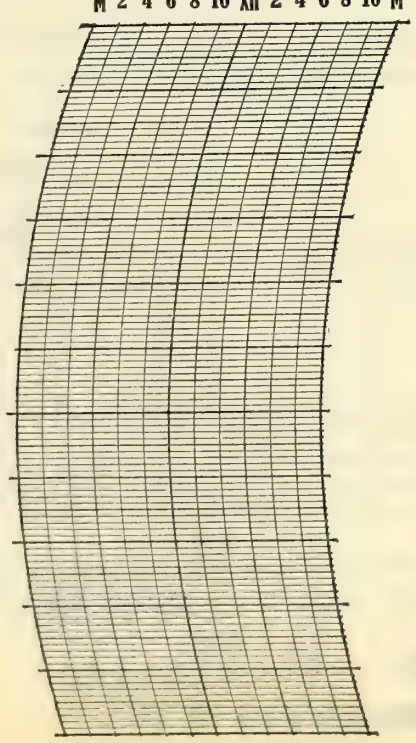
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 77.9 Wet temperature, 63.4
Dew-point, 55 R. humidity, 45 V. pressure, 432
Clouds: Amount, 3; Kind, a Cu; Direction, W
~~Velocity of clouds (miles per hour)~~

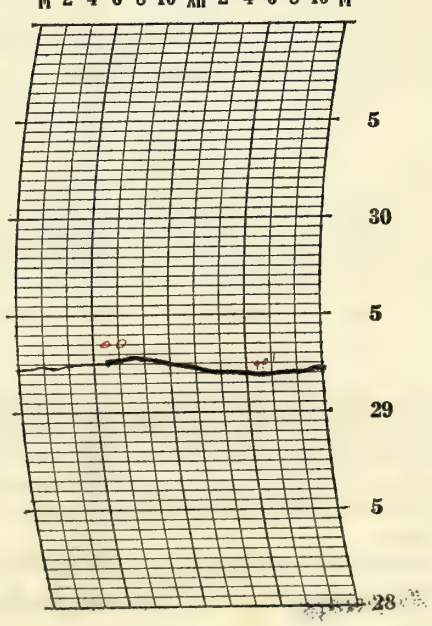
THERMOGRAPH




THERMOGRAPH




BAROGRAPH.




Prepared by W.L.

Verified by L.C.S.

8—486

## NOTES

Flying conditions excellent.

Form No. 1014—Met'l

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Wednesday, (Date) AUG 16 1933, 193

Time (local standard) 90 mer. normal time.

| | A.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 | P.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Temperature at end of hour 66 | 66 | 65 | 63 | 62 | 61 | 63 | 65 | 71 | 75 | 77 | 80 | 81 | 82 | 83 | 82 | 82 | 80 | 79 | 78 | 74 | 72 | 71 | 71 | 68 |
| State of weather. Nature of precipitation and time of beginning and ending | | | | | | | | | | | | | | | | | | | | | | | | |
| Amounts of precipitation | | | | | | | | | | | | | | | | | | | | | | | | |
| Cloudiness and other conditions | ← Clear — Some of cirrus formations all day, with cu. in mid-day. → | | | | | | | | | | | | | | | | | | | | | | | |
| Sunrise: Time, Character, 4:52 Clear. Moonrise: | | | | | | | | | | | | | | | | | | | | | Sunset: Time, Character, 6:39 Clear. Moonset: | | | |
| Sunshine (in tenths of hours) | | | | | .13 | 1.0 | 0.6 0.4 | 1.0 | 1.0 | 1.0 | 0.8 | 1.0 | 1.0 | 0.8 | 0.9 | 1.0 | 0.1 0.9 | 1.0 | .65 | | | | | |
| Wind direction | S | S | S | S | S | S | SW | SW | SW | SW | SW | SW | SW | S | S | S | SW | S | S | S | S | SE | S | S |
| Wind movement | 6 | 6 | 7 | 6 | 5 | 5 | 7 | 9 | 12 | 12 | 12 | 10 | 11 | 9 | 10 | 9 | 9 | 7 | 6 | 6 | 7 | 8 | 8 | 6 |
| Maximum velocities (exceeding 24 miles) direction and time | | | | | | | | | | | | | | | | | | | | | | | | |

Wind data corrected to true velocity.

| | Total duration. From— | To— | Total amount of precipitation. | Excessive rate. Began— | Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Excessive precipitation, accumulated amounts | | | | | | | | | | | | | | | | | | | | |

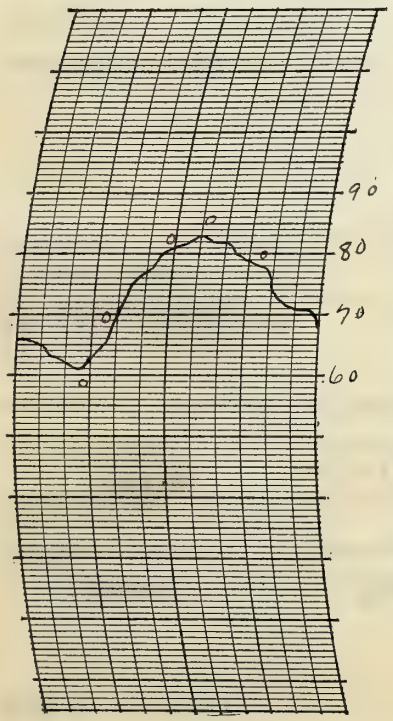
| Maximum Temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 83 | 61 | 72 | |

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Clear Moon phase,
Average daily cloudiness (0-10), 2
Actual sunshine, hours, 13.3 Possible sunshine, hours, 13.8
Per cent of possible sunshine, 96
Prevailing wind direction, S Total wind, 193
Average hourly velocity, 8.0 Extreme velocity, 14
Maximum velocity, 14 Direction, SW
Time began, 9:04 a.m.
Reduced barometer, 30.13 7 a.m. 29.97 7 p.m.
River gage, 1.2 feet
Relative humidity, 64 7 a.m. 47 7 p.m.

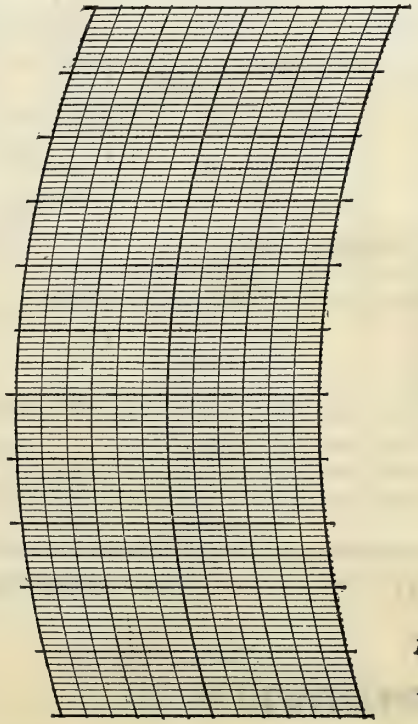
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 80.8 Wet temperature, 63.8
Dew-point, 54 R. humidity, 39 V. pressure, .417
Clouds: Amount, 2 Cu Few; Kind, Cu; Direction, S
~~Velocity of clouds (miles per hour)~~

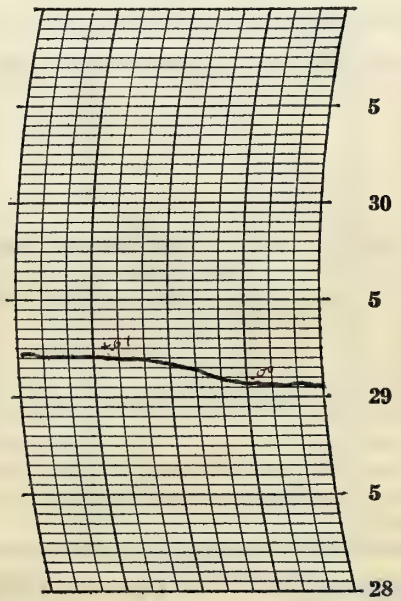
THERMOGRAPH




THERMOGRAPH




BAROGRAPH.




*Prepared by* W.

*Verified by* L.C.S.

8—486

## NOTES

Flying conditions excellent

Form No. 1014—Met'1

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(Station) ~~Fort Wayne, Ind.~~, (Day of week) Thursday, (Date) AUG 17 1933, 193

Time (local standard) 90 mer. normal time.

| | A. M. | | | | | | | | | | | | P. M. | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 | 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 |
| Temperature at end of hour 68 | 66 | 64 | 64 | 63 | 62 | 64 | 66 | 72 | 76 | 79 | 81 | 82 | 82 | 84 | 81 | 81 | 80 | 79 | 77 | 74 | 72 | 70 | 69 | 67 |
| State of weather. Nature of precipitation and time of beginning and ending | | | | | | | | | | | | | | | | | | | | | | R | RB DN | RE DN |
| Amounts of precipitation | | | | | | | | | | | | | | | | | | | | | | | T | T |
| Cloudiness and other conditions | | | | | | ← Partly Cloudy | | | | | | | X Cloudy | | | | X Partly Cloudy | | X Clear | | X Partly Cldy → | | | |
| | | | | | | | Thin upper clouds | | | | | | Mixed upper and lower clouds. | | | | | | | | | | | |
| Sunshine (in tenths of hours) | | | | | .12 | 1.0 | 0.7 0.3 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 0.8 | 0.3 | 0.4 | 0.4 | 0.2 | 0.2 0 | 0 | | | | | |
| Wind direction | S | S | S | S | S | S | S | SW | SW | S | SW | SW | SW | SW | W | W | SW | SW | SW | SW | W | NW | W | W |
| Wind movement | 5 | 6 | 6 | 6 | 6 | 8 | 10 | 12 | 13 | 14 | 15 | 15 | 15 | 12 | 13 | 13 | 10 | 8 | 7 | 7 | 9 | 8 | 6 | 7 |
| Maximum velocities (exceeding 24 miles) direction and time | | | | | | | | | | | | | | | | | | | | | | | | |

Sunrise: Time, 4:53 Character, Clear
Moonrise:

Sunset: Time, 6:37 Character, Cloudy
Moonset:

| Maximum Temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 84 | 62 | 73 | |

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, T inches.
Character of day, Partly Cloudy Moon phase,
Average daily cloudiness (0-10), 6
Actual sunshine, hours, 9.4 Possible sunshine, hours, 13.7
Per cent of possible sunshine, 69
Prevailing wind direction, SW Total wind, 231
Average hourly velocity, 9.6 Extreme velocity, 20
Maximum velocity, 18 Direction, SW
Time began, 11:41 a.m.
Reduced barometer, 29.89 7 a. m. 29.76 7 p. m.
River gage, 1.0 feet
Relative humidity, 76 7 a. m. 60 7 p. m.

Wind data corrected to true velocity.

| Total duration. From— | Total duration. To— | Total amount of precipitation. | Excessive rate. Began— | Excessive rate. Ended— | Amount before excessive began. |
|---|---|---|---|---|---|
| | | | | | |

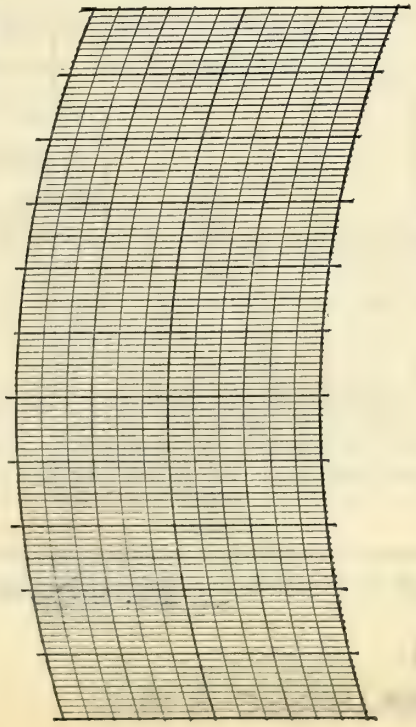
Excessive precipitation, accumulated amounts

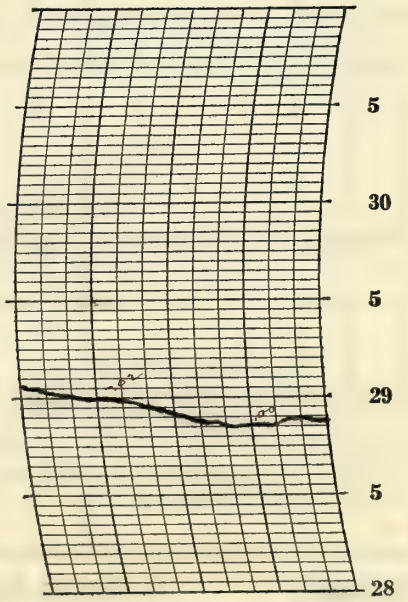
| Accumulated depths during excessive rate, for consecutive periods of time indicated below. | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
| | | | | | | | | | | | | | |

OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 82.2 Wet temperature, 66.2
Dew-point, 57 R. humidity, 43 V. pressure, 29.65
Clouds: Amount, Few Ci Cu; Kind, Cu; Direction, W 5
~~Velocity of clouds (miles per hour)~~:

THERMOGRAPH
M 2 4 6 8 10 XII 2 4 6 8 10 M
90 80 70 60




Prepared by W
Verified by L.C.S

8—486

## NOTES

R A few moderately faint peals of thunder were heard between 9:45 pm and 9:50 pm, apparently from a cloud passing north of the station.

Flying conditions good to excellent.

Form No. 1014—Met'1

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Friday, (Date) AUG 18 1933, 193

Time (local standard) 90 mer. normal time.

| | A.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 | P.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Temperature at end of hour (67) | 66 | 65 | 64 | 63 | 61 | 62 | 64 | 68 | 72 | 72 | 74 | 76 | 77 | 77 | 75 | 74 | 73 | 70 | 68 | 64 | 62 | 60 | 58 | 56 |
| State of weather. Nature of precipitation and time of beginning and ending | | | | | | | | | | | | | | | | | | | | | | | | |
| Amounts of precipitation | | | | | | | | | | | | | | | | | | | | | | | | |
| Cloudiness and other conditions | | | | | | Partly cloudy | | Clear | | | | Partly cloudy | | | | | Clear | | Cirrus | | | | | |
| | | | | | | | | | | | Cumulus | | | | | | | | | | | | | |
| Sunshine (in tenths of hours) | | | | | .10 | 1.0 | 0.6 0.4 | 1.0 | 1.0 | 1.0 | 1.0 | 0.9 | 1.0 | 1.0 | 0.9 | 0.7 | 0.6 | 0.6 0.2 | .60 | | | | | |
| Wind direction | W | W | W | W | W | W | NW | NW | N | NW | NW | NW | NW | NW | NW | NW | NW | NW | NW | NW | N | NW | N | N |
| Wind movement | 7 | 6 | 5 | 6 | 7 | 6 | 6 | 8 | 9 | 8 | 9 | 9 | 12 | 11 | 11 | 12 | 9 | 12 | 11 | 10 | 7 | 7 | 6 | 5 |
| Maximum velocities (exceeding 24 miles) direction and time | | | | | | | | | | | | | | | | | | | | | | | | |

Sunrise: Time, 4:54 Character, Clear. Moonrise:

Sunset: Time, 6:36 Character, Clear. Moonset:

Wind data corrected to true velocity.

| Total duration. From— | To— | Total amount of precipitation. | Excessive rate. Began— | Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | | | | | |

Excessive precipitation, accumulated amounts

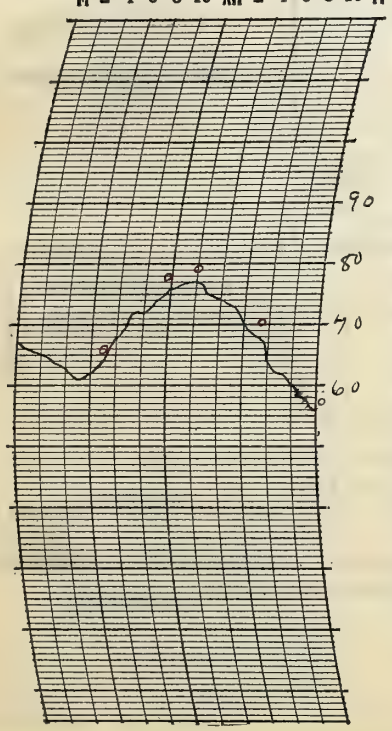
| Maximum Temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 77 | 56 | 66 | |

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., T ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Clear Moon phase,
Average daily cloudiness (0-10), 2
Actual sunshine, hours, 12.6 Possible sunshine, hours, 13.7
Per cent of possible sunshine, 92
Prevailing wind direction, NW Total wind, 199
Average hourly velocity, 8.3 Extreme velocity, 15
Maximum velocity, 14 Direction, NW
Time began, 2:57 p.m.
Reduced barometer, 29.82 7 a. m. 29.92 7 p. m.
River gage, 0.6 feet
Relative humidity, 79 7 a. m. 55 7 p. m.

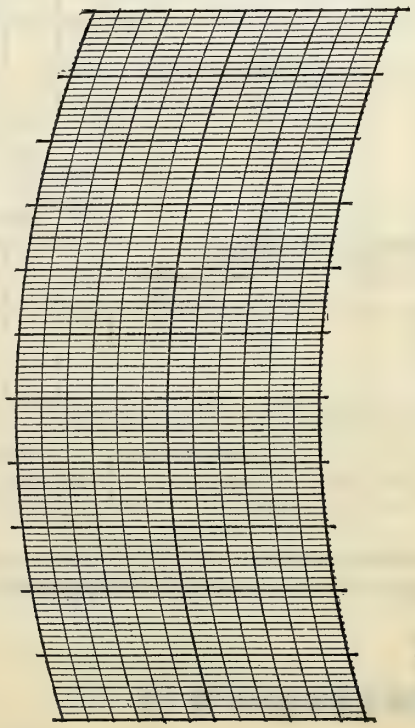
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 76.0 Wet temperature, 60.2
Dew-point, 49 R. humidity, 39 V. pressure, 342
Clouds: Amount, 5; Kind, Cu; Direction, W
~~Velocity of clouds (miles per hour)~~

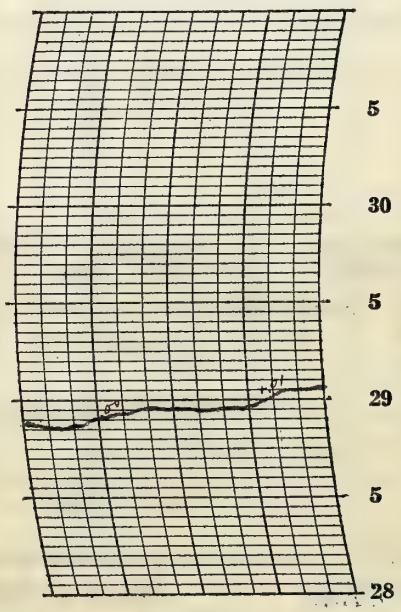
THERMOGRAPH




THERMOGRAPH




BAROGRAPH.




Prepared by W.

Verified by L.C.S.

8—486

## NOTES

Flying conditions excellent.

Form No. 1014—Met'1

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Saturday, (Date) AUG 19 1933, 193

Time (local standard) 90 mer. normal time.

| | A.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 | P.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Temperature at end of hour (56) | 54 | 53 | 53 | 53 | 54 | 57 | 60 | 64 | 68 | 69 | 70 | 72 | 74 | 76 | 78 | 76 | 75 | 74 | 72 | 69 | 66 | 64 | 62 | 60 |
| State of weather: Nature of precipitation and time of beginning and ending | | | | | | | | | | | | | | | | | | | | | | | | |
| Amounts of precipitation | | | | | | | | | | | | | | | | | | | | | | | | |
| Cloudiness and other conditions | | | | | | Clear | P+ Cloudy | | | | | | Clear | | | | | | | | | | | |
| | | | | | | | s+a 4a | | | | | cu | | | | | | ci + cu | | | | | | |
| Sunshine (in tenths of hours) | | | | | .08 | 0.8 | 0.4 | 0.2 | 0.7 | 0.8 | 0.9 | 0.4 | 0.9 | 0.9 | 1.0 | 0.9 | 1.0 | 1.0 | 0.7 | 5.7 | 0 | | | | |
| Wind direction | N | N | N | N | NE | NE | NE | NE | NE | NE | NE | NE | NE | NE | NE | NE | NE | NE | NE | NE | E | E | E | E |
| Wind movement | 5 | 6 | 6 | 6 | 7 | 7 | 9 | 9 | 9 | 9 | 7 | 8 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 6 | 7 | 6 | 4 | 5 |
| Maximum velocities (exceeding 24 miles) direction and time | | | | | | | | | | | | | | | | | | | | | | | | |

Sunrise: Time 4:55, Character Clear. Moonrise:

Sunset: Time 6:34, Character Clear. Moonset:

| Wind data corrected to true velocity. | Total duration. From— | To— | Total amount of precipitation. | Excessive rate. Began— | Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Excessive precipitation, accumulated amounts | | | | | | | | | | | | | | | | | | | | |

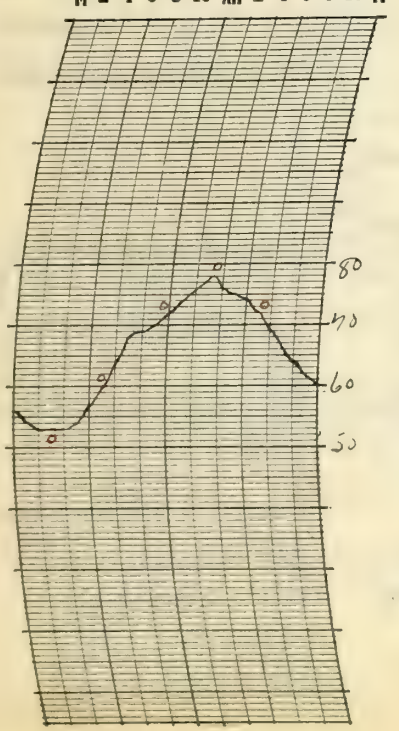
| Maximum Temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 78 | 53 | 66 | |

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, P+ Cloudy Moon phase,
Average daily cloudiness (0-10), 4
Actual sunshine, hours, 11.6 Possible sunshine, hours, 13.6
Per cent of possible sunshine, 85
Prevailing wind direction, NE Total wind, 165
Average hourly velocity, 6.9 Extreme velocity, 12
Maximum velocity, 12 Direction, NE
Time began, 6:39 a.m.
Reduced barometer, 30.05 7 a. m. 30.07 7 p. m.
River gage, 0.3 feet
Relative humidity, 65 7 a. m. 42 7 p. m.

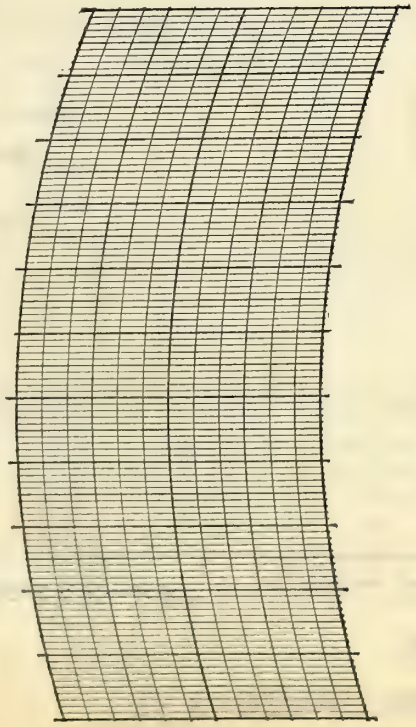
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 72.0 Wet temperature, 60.0
Dew-point, 52 R. humidity, 49 V. pressure, 387
Clouds: Amount, 5; Kind, cu; Direction, E
Velocity of clouds (miles per hour)

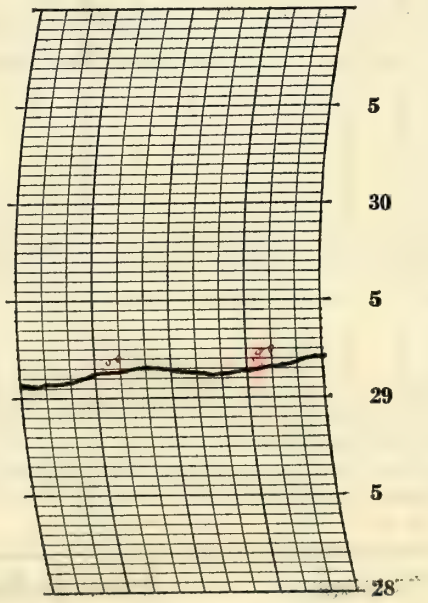
THERMOGRAPH




THERMOGRAPH




BAROGRAPH.




Prepared by K. C. A.

Verified by

8—486

## NOTES

Flying conditions good to excellent.

Form No. 1014—Met'1

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Sunday, (Date) AUG 20 1933, 193

Time (local standard) 90 mer. normal time.

| | A.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 | P.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Temperature at end of hour (60) | 59 | 58 | 57 | 56 | 55 | 57 | 60 | 67 | 70 | 72 | 74 | 75 | 78 | 80 | 79 | 79 | 77 | 75 | 73 | 68 | 66 | 65 | 63 | 62 |
| State of weather. Nature of precipitation and time of beginning and ending | | | | | | | | | | | | | | | | | | | | | | | | |
| Amounts of precipitation | | | | | | | | | | | | | | | | | | | | | | | | |
| Cloudiness and other conditions | | | | | | | | | | | | Clear | | | | | | | | | | | | |
| | | | | | | | | | | | | Cu | | | | | | | Cu | | | | | |
| Sunrise: Time, Character, 4:56 Clear. Moonrise: | | | | | | | | | | | | | | | | | | | | | Sunset: Time, Character, 6:33 Clear. Moonset: | | | |
| Sunshine (in tenths of hours) | | | | | .07 0 | 1.0 0 | 0.4 0.6 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | x 1.0 | x 1.0 | x 1.0 | x 1.0 | x 1.0 | x 1.0 | .55 0 | | | | | |
| Wind direction | NE | NE | NE | NE | NE | NE | NE | NE | E | E | E | E | E | E | E | E | NE | NE | NE | NE | NE | NE | NE | NE |
| Wind movement | 5 | 6 | 7 | 5 | 6 | 6 | 7 | 7 | 9 | 9 | 11 | 9 | 10 | 9 | 9 | 9 | 10 | 8 | 7 | 6 | 6 | 9 | 7 | 7 |
| Maximum velocities (exceeding 24 miles) direction and time | | | | | | | | | | | | | | | | | | | | | | | | |

Wind data corrected to true velocity.

| Excessive precipitation, accumulated amounts | Total duration. From— | To— | Total amount of precipitation. | Excessive rate. Began— | Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | | | | | | |

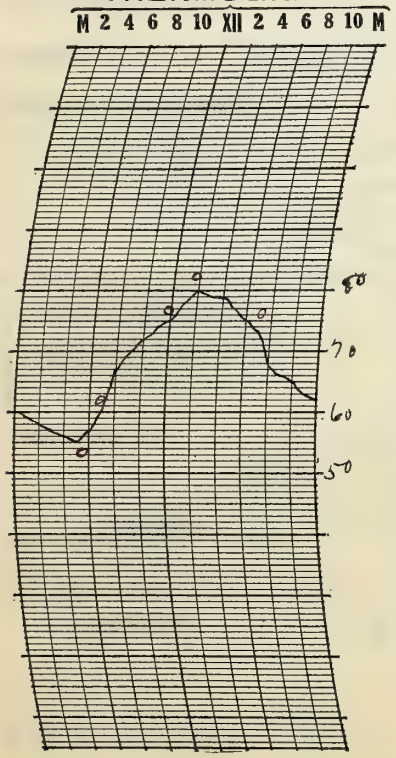
| Maximum Temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 80 | 55 | 68 | |

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Clear Moon phase,
Average daily cloudiness (0-10), 7 ew
Actual sunshine, hours, 13.6 Possible sunshine, hours, 13.6
Per cent of possible sunshine, 100
Prevailing wind direction, NE Total wind, 184
Average hourly velocity, 7.7 Extreme velocity, 13
Maximum velocity, 13 Direction, NE
Time began, 4:23 P.M.
Reduced barometer, 30.21 7 a. m. 30.16 7 p. m.
River gage, 0.2 feet
Relative humidity, 70 7 a. m. 38 7 p. m.

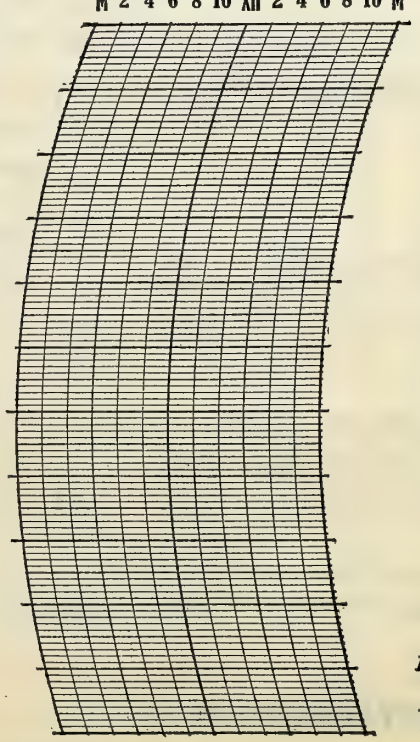
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 75.0 Wet temperature, 59.9
Dew-point, 50 R. humidity, 41 V. pressure, 360
Clouds: Amount, Few; Kind, Cu; Direction, E
Velocity of clouds (miles per hour)

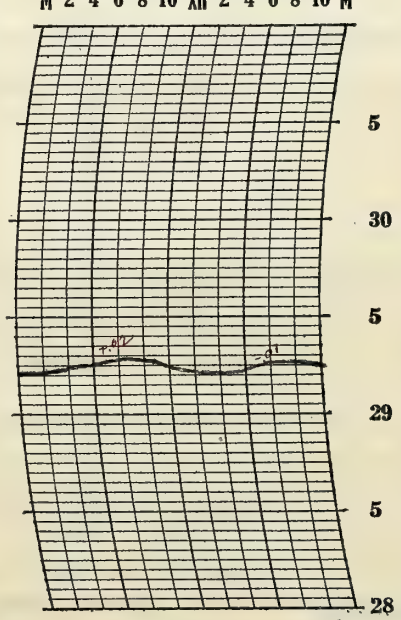
THERMOGRAPH




THERMOGRAPH




BAROGRAPH.




Prepared by L. C. S.

Verified by W.

8—486

## NOTES

x Observed pen slipped from mounting
Flying conditions excellent.

Form No. 1014—Met'1

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Monday, (Date) AUG 21 1933, 193

Time (local standard) 90 mer. normal time.

| | A.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 | P.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Temperature at end of hour | 62 | 61 | 60 | 60 | 59 | 59 | 60 | 63 | 68 | 72 | 78 | 80 | 82 | 82 | 84 | 84 | 83 | 80 | 78 | 76 | 73 | 72 | 70 | 68 | 67 |
| State of weather. Nature of precipitation and time of beginning and ending | | | | | | | | | | | | | | | | | | | | | | | | |
| Amounts of precipitation | | | | | | | | | | | | | | | | | | | | | | | | |
| Cloudiness and other conditions | | | | | | ← Clear | | → P+Cldy | | | | → | × Cloudy | | → × P+Cldy | | | | | → Clear → | | | | |
| | | | | | | | Ci | | | | | Cu | | | | | | Ci Cu, Cu+St | | | | | | |
| Sunshine (in tenths of hours) | | | | | .05 0 | 1.0 0 | 1.0 0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 0.6 | 0.8 | 0.8 | 0.1 | 0 | 0 | 0 | | | | | |
| Wind direction | NE | NE | NE | NE | NE | NE | NE | NE | E | E | E | E | E | E | E | E | NE | NE | E | NE | NE | NE | NE | NE |
| Wind movement | 7 | 7 | 7 | 6 | 5 | 6 | 7 | 9 | 8 | 9 | 10 | 11 | 9 | 10 | 10 | 9 | 11 | 10 | 8 | 9 | 9 | 9 | 8 | 9 |
| Maximum velocities (exceeding 24 miles) direction and time | | | | | | | | | | | | | | | | | | | | | | | | |

Sunrise: Time 4:57, Character Clear. Moonrise:

Sunset: Time 6:31, Character Cloudy. Moonset:

Wind data corrected to true velocity.

| Excessive precipitation, accumulated amounts | Total duration. From— | To— | Total amount of precipitation. | Excessive rate. Began— | Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | | | | | | |

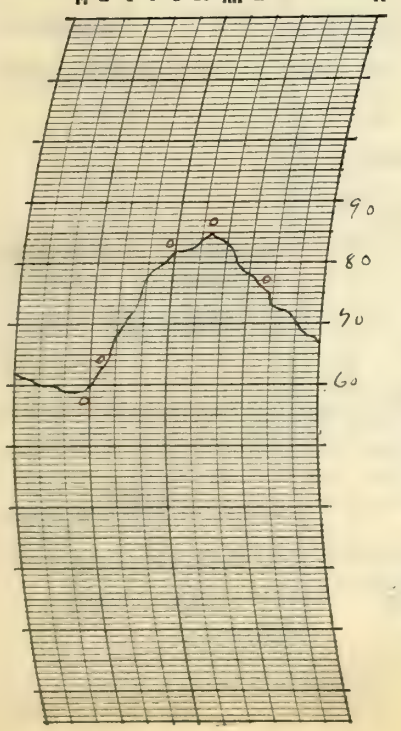
| Maximum Temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 85 | 59 | 72 | |

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Pt Cloudy Moon phase,
Average daily cloudiness (0-10), 5
Actual sunshine, hours, 9.4 Possible sunshine, hours, 13.6
Per cent of possible sunshine, 69
Prevailing wind direction, NE Total wind, 203
Average hourly velocity, 8.5 Extreme velocity, 13
Maximum velocity, 13 Direction, NE
Time began, 4:27 P.m.
Reduced barometer, 30.18 7 a. m. 30.13 7 p. m.
River gage, 0.2 feet
Relative humidity, 82 7 a. m. 44 7 p. m.

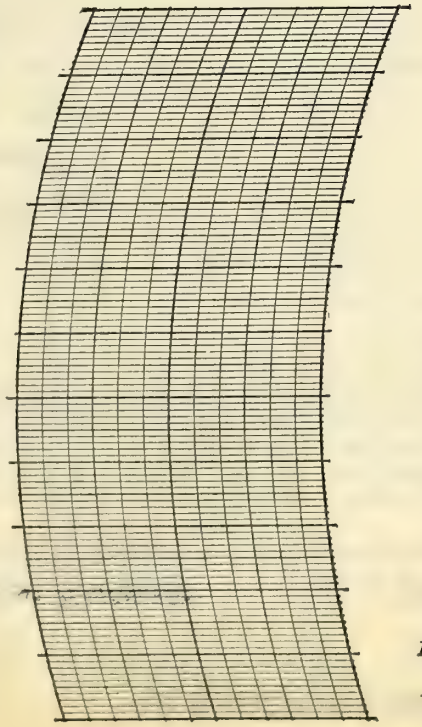
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 82.0 Wet temperature, 68.1
Dew-point, 61 R. humidity, 49 V. pressure, .536
Clouds: Amount, 5; Kind, Cu; Direction, E
Velocity of clouds (miles per hour)

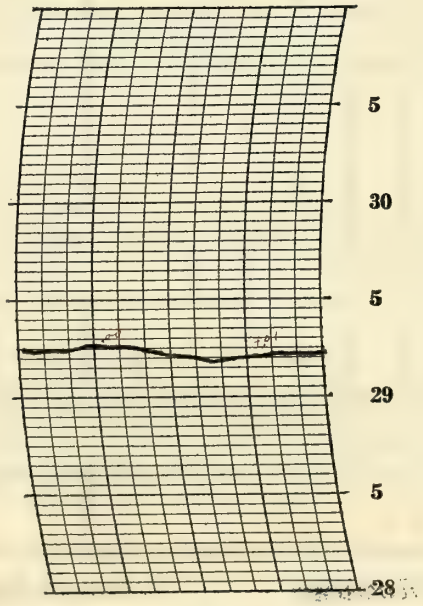
THERMOGRAPH




THERMOGRAPH




BAROGRAPH.




Prepared by P.C.S.

Verified by

8—486

## NOTES

Flying Conditions good

Form No. 1014—Met'1

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Tuesday, (Date) AUG 22 1933, 193

Time (local standard) 90 mer. normal time.

| | A.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 | P.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Temperature at end of hour 67 | 66 | 66 | 65 | 64 | 63 | 63 | 65 | 73 | 76 | 79 | 81 | 82 | 83 | 84 | 82 | 82 | 80 | 78 | 76 | 72 | 71 | 69 | 67 | 65 |
| State of weather. Nature of precipitation and time of beginning and ending | | | | | | | | | | | | | | | | | | | | | | | | |
| Amounts of precipitation | | | | | | | | | | | | | | | | | | | | | | | | |
| Cloudiness and other conditions | | | | | | ← p. Cldy a cu | | × | | | | Clear / Cu | | | | | | | Ci Cu sst | | | → | | |
| Sunshine (in tenths of hours) | | | | | .03 0 | 1.0 0 | 1.0 0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 0.9 | 1.0 | 1.0 | 1.0 | 0.7 0.3 | .5 0 | | | | | |
| Wind direction | NE | NE | NE | NE | NE | NE | NE | NE | NE | NE | E | NE | NE | NE | NE | NE | NE | NE | NE | NE | NE | NE | NE | NE |
| Wind movement | 8 | 8 | 7 | 4 | 6 | 6 | 6 | 7 | 8 | 9 | 11 | 10 | 12 | 11 | 12 | 12 | 11 | 8 | 8 | 6 | 6 | 6 | 8 | 8 |
| Maximum velocities (exceeding 24 miles) direction and time | | | | | | | | | | | | | | | | | | | | | | | | |

Sunrise: Time, 4:58 Character, Clear. Moonrise: ---- ----

Sunset: Time, 6:30 Character, Clear. Moonset: ---- ----

Wind data corrected to true velocity.

| Excessive precipitation, accumulated amounts | Total duration. From— | To— | Total amount of precipitation. | Excessive rate. Began— | Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | | | | | | |

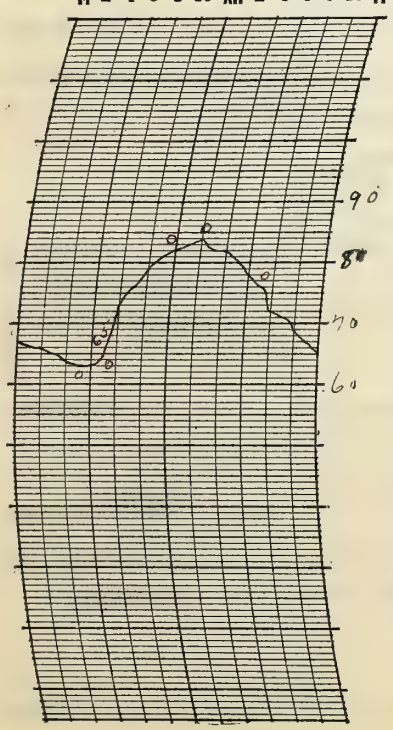
| Maximum Temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 84 | 63 | 74 | |

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Clear Moon phase,
Average daily cloudiness (0-10), 2
Actual sunshine, hours, 13.4 Possible sunshine, hours, 13.5
Per cent of possible sunshine, 99
Prevailing wind direction, NE Total wind, 198
Average hourly velocity, 8.2 Extreme velocity, 15
Maximum velocity, 15 Direction, NE
Time began, 2:19 P.m.
Reduced barometer, 30.16 7 a. m. 30.08 7 p. m.
River gage, -0.2 feet
Relative humidity, 85 7 a. m. 42 7 p. m.

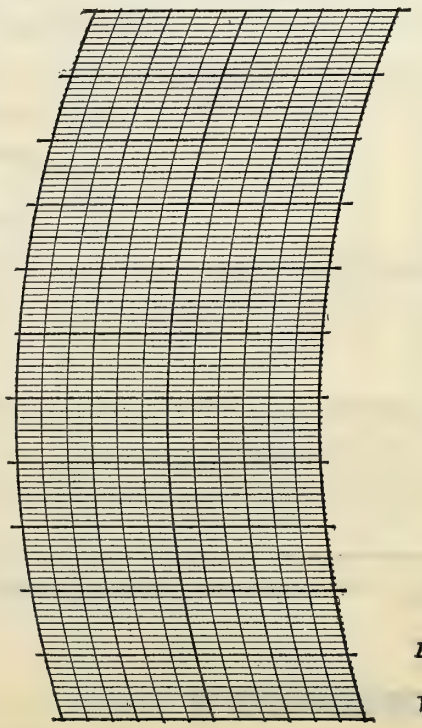
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 81.5 Wet temperature, 65.5
Dew-point, 56 R. humidity, 42 V. pressure, .448
Clouds: Amount, 7 ew; Kind, Cu; Direction, ?
Velocity of clouds (miles per hour)

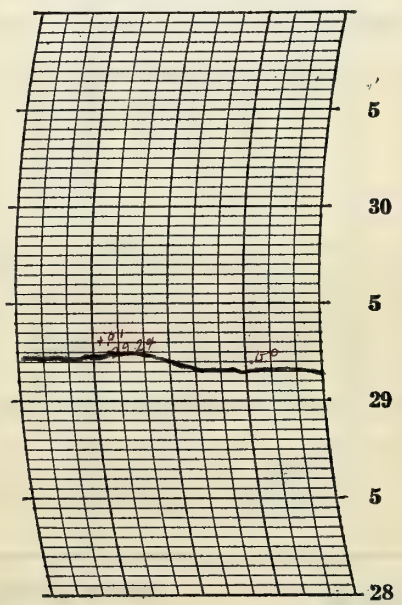
THERMOGRAPH




THERMOGRAPH




BAROGRAPH.




Prepared by L.C.S.

Verified by W.

8—486

## NOTES

Flying conditions excellent

Form No. 1014—Met'1

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Wednesday, (Date) AUG 23 1933, 193

Time (local standard) 90 mer. normal time.

| | A. M. | | | | | | | | | | | | P. M. | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 | 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 |
| Temperature at end of hour (65) | 64 | 63 | 62 | 62 | 61 | 62 | 64 | 69 | 72 | 75 | 76 | 79 | 80 | 79 | 78 | 79 | 78 | 78 | 76 | 74 | 73 | 72 | 69 | 67 |
| State of weather. Nature of precipitation and time of beginning and ending | | | | | | | | | | | | | | | | | | | | | | | | |
| Amounts of precipitation | | | | | | | | | | | | | | | | | | | | | | | | |
| Cloudiness and other conditions | | | | | | ← Cloudy | | → P+Cloudy | | | | | * Cloudy | | * | P+Cloudy | | | | | | | | |
| | | | | | | | St+Cu | | | | | Cu | | | | | | | acu, St+Cu | | | | | |
| Sunshine (in tenths of hours) | | | | | 0 | 0 | 0 | 0.8 | 1.0 | 1.0 | 1.0 | 1.0 | 0.7 | 0.3 | 0.5 | 0.9 | 1.0 | 0.1 | 0 | | | | | |
| Wind direction | NE | NE | N | NE | NE | NE | NE | NE | NE | NE | NE | NE | NE | NE | NE | NE | NE | NE | NE | NE | NE | NE | NE | NE |
| Wind movement | 7 | 7 | 6 | 8 | 7 | 6 | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 10 | 11 | 11 | 10 | 9 | 8 | 5 | 5 | 5 | 5 | 5 |
| Maximum velocities (exceeding 24 miles) direction and time | | | | | | | | | | | | | | | | | | | | | | | | |

Sunrise: Time, 4:59 Character, Cloudy
Moonrise:

Sunset: Time, 6:28 Character, Cloudy
Moonset:

| Maximum Temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 80 | 61 | 70 | |

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, P+Cloudy Moon phase,
Average daily cloudiness (0-10), 7
Actual sunshine, hours, 8.3 Possible sunshine, hours, 13.5
Per cent of possible sunshine, 61
Prevailing wind direction, NE Total wind, 185
Average hourly velocity, 7.7 Extreme velocity, 15
Maximum velocity, 15 Direction, NE
Time began, 3:13 P.m.
Reduced barometer, 30.03 7 a. m. 29.86 7 p. m.
River gage, -0.2 Feet
Relative humidity, 90 7 a. m. 53 7 p. m.

Wind data corrected to true velocity.

| Total duration. From— | Total duration. To— | Total amount of precipitation. | Excessive rate. Began— | Excessive rate. Ended— | Amount before excessive began. |
|---|---|---|---|---|---|
| | | | | | |

Accumulated depths during excessive rate, for consecutive periods of time indicated below.

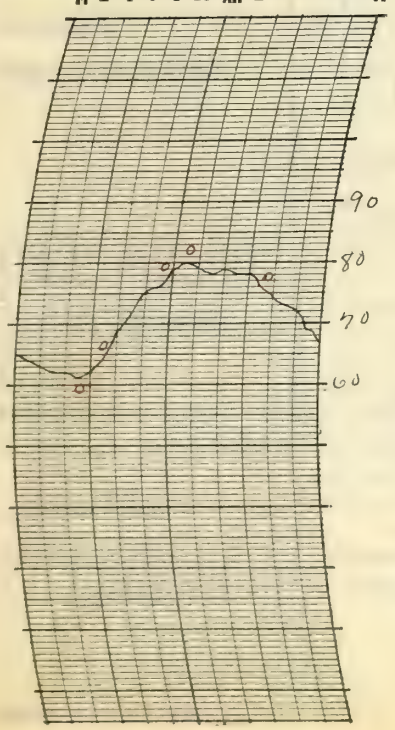
| 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | |

Excessive precipitation, accumulated amounts

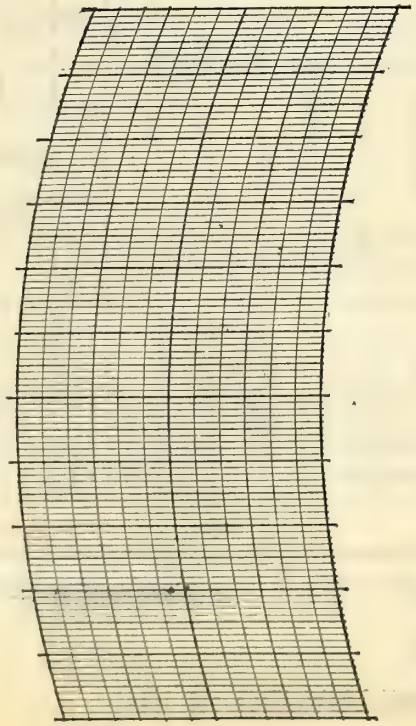
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 78.8 Wet temperature, 66.3
Dew-point, 60 R. humidity, 52 V. pressure, 517
Clouds: Amount, 7; Kind, Cu; Direction, NE
Velocity of clouds (miles per hour)

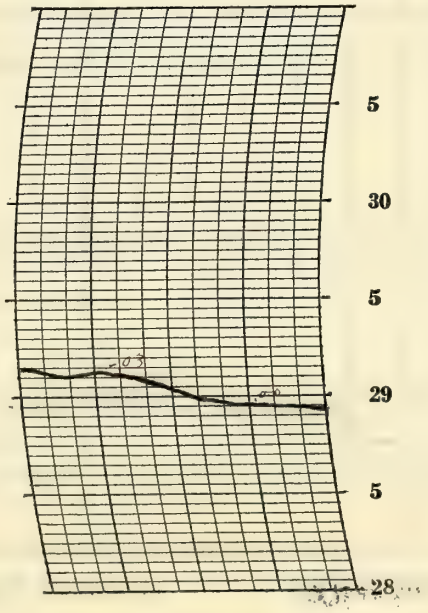
THERMOGRAPH




THERMOGRAPH




BAROGRAPH.




Prepared by L.C.S.

Verified by

8—486

## NOTES

Flying conditions excellent

Form No. 1014—Met'1

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Thursday, (Date) AUG 24 1933, 193

Time (local standard) 90 mer. normal time.

| | A.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 | P.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Temperature at end of hour 67 | 66 | 64 | 64 | 63 | 62 | 64 | 65 | 71 | 74 | 78 | 80 | 81 | 83 | 84 | 85 | 85 | 84 | 83 | 80 | 77 | 75 | 73 | 72 | 70 |
| State of weather. Nature of precipitation and time of beginning and ending | | | | | | | | | | | | | | | | | | | | | | | | |
| Amounts of precipitation | | | | | | | | | | | | | | | | | | | | | | | | |
| Cloudiness and other conditions | | | | | | ← Clear | | | — × — | | P+ | Cloudy | — | — | — | — | × Clear | — | — | — | → | | | |
| | | | | | | | | | | | | Cu | | | | | | | Cu | | | | | |
| Sunshine (in tenths of hours) | | | | | | 1.0 0 | 0.5 0.5 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 0.9 | 0.9 | 0.9 | 0.8 | 1.0 | 1.0 0 | 45 0 | | | | | |
| Wind direction | NE | NE | NE | NE | N | N | N | N | N | NW | NW | NW | NW | NW | NW | NW | W | NW | NW | NW | NW × | NW × | W × | W × |
| Wind movement | 6 | 5 | 6 | 6 | 5 | 6 | 5 | 6 | 6 | 8 | 7 | 8 | 7 | 7 | 7 | 8 | 9 | 6 | 5 | 4 | 4 × | 4 × | 3 × | 3 × |
| Maximum velocities (exceeding 24 miles) direction and time | | | | | | | | | | | | | | | | | | | | | | | | |

Sunrise: Time, 5.00 Character, Clear. Moonrise: ____ ____

Sunset: Time, 6:27 Character, Clear. Moonset: ____ ____

Wind data corrected to true velocity.

| | Total duration. From— | To— | Total amount of precipitation. | Excessive rate. Began— | Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Excessive precipitation, accumulated amounts | | | | | | | | | | | | | | | | | | | | |

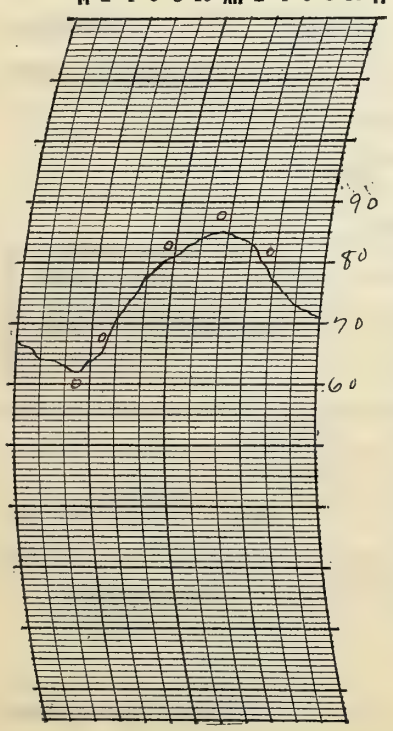
| Maximum Temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 85 | 62 | 74 | |

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Clear Moon phase, ____
Average daily cloudiness (0-10), 3
Actual sunshine, hours, 13.0 Possible sunshine, hours, 13.4
Per cent of possible sunshine, 97
Prevailing wind direction, NW Total wind, 141
Average hourly velocity, 5.9 Extreme velocity, ø 1.0
Maximum velocity, ø 1.0 Direction, W
Time began, 4:04 P. m.
Reduced barometer, 29.85 7 a. m. 29.79 7 p. m.
River gage, -0.2 feet
Relative humidity, 88 7 a. m. 51 7 p. m.

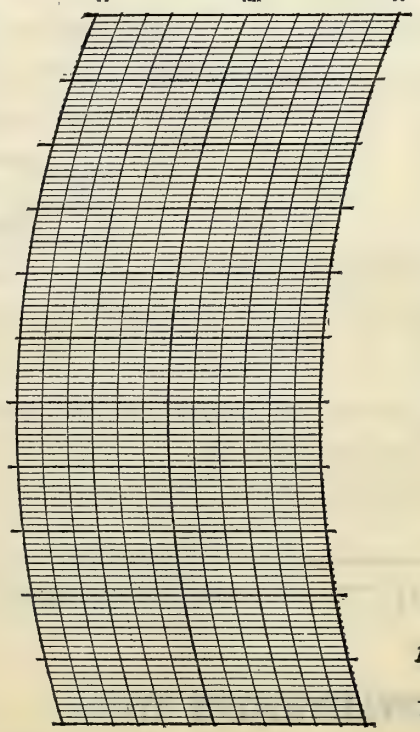
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 80.8 Wet temperature, 67.8
Dew-point, 61 R. humidity, 51 V. pressure, .536
Clouds: Amount, 5; Kind, Cu; Direction, W
Velocity of clouds (miles per hour)

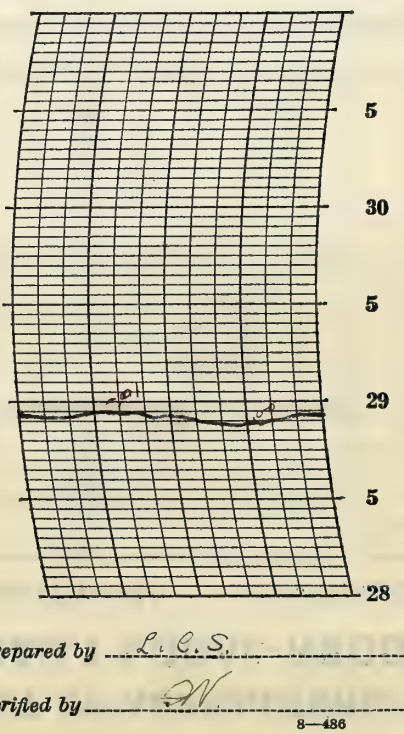
THERMOGRAPH




THERMOGRAPH




BAROGRAPH.




Prepared by L. C. S.

Verified by ____

8—486

## NOTES

Flying conditions excellent
× Interpolated Clock stopped.
ø For 20 hrs 8 min
× Interpolated pen not writing

Form No. 1014—Met'l

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Friday, (Date) AUG 25 1933, 193

| Time (local standard) 90 mer. normal time. | A.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 | P.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Temperature at end of hour 70 | * 68 | * 66 | * 64 | * 62 | * 60 | * 62 | 64 | 71 | 78 | 82 | 84 | 86 | 86 | 87 | 88 | 87 | 86 | 84 | 82 | 79 | 77 | 76 | 74 | 71 |
| State of weather. Nature of precipitation and time of beginning and ending | | | | | | | | | | | | | | | | | | | | | | | | |
| Amounts of precipitation | | | | | | | | | | | | | | | | | | | | | | | | |
| Cloudiness and other conditions | | | | | | ← P+ Cldy | | ← Clear | | → P+ Cldy | | | → | | | | | | | | | → | | |
| | | | | | | | Dcu | | | | | Ci St | | | | | | Ci St, St + Cu | | | | | | |
| Sunrise: Time, 5:00 Character, Clear. Moonrise: | | | | | | | | | | | | | Sunset: Time, 6:25 Character, Cloudy. Moonset: | | | | | | | | | | | |
| Sunshine (in tenths of hours) | | | | | | 1.0 0 | 1.0 0 | 0.3 0.4 | 1.0 | 1.0 | 1.0 | 1.0 | 0.7 | 1.0 | 1.0 | 0.9 | 0.6 | 0 | 0 | | | | | |
| Wind direction | x W | x W | x W | x SW | x SW | x SW | x SW | SW | W | W | W | W | W | W | W | W | W | W | W | W | W | W | W | W |
| Wind movement | x 3 | x 3 | x 3 | x 4 | x 5 | x 5 | x 6 | 7 | 6 | 9 | 10 | 9 | 9 | 10 | 11 | 9 | 9 | 8 | 5 | 5 | 3 | 4 | 2 | 2 |
| Maximum velocities (exceeding 24 miles) direction and time | | | | | | | | | | | | | | | | | | | | | | | | |

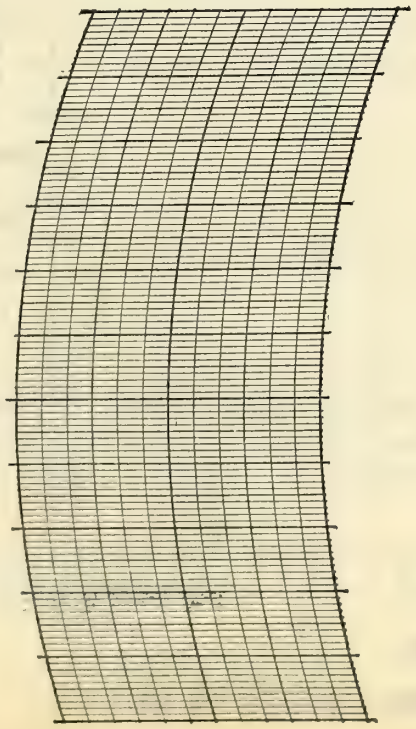
| Wind data corrected to true velocity. | Total duration. From— | To— | Total amount of precipitation. | Excessive rate. Began— | Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Excessive precipitation, accumulated amounts | | | | | | | | | | | | | | | | | | | | |

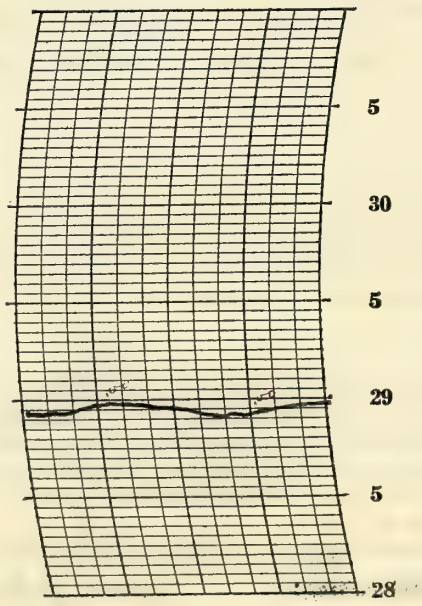
| Maximum Temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 88 | 60 | 74 | |

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, P+ Cloudy Moon phase,
Average daily cloudiness (0-10), 4
Actual sunshine, hours, 10.9 Possible sunshine, hours, 13.4
Per cent of possible sunshine, 81
Prevailing wind direction, W Total wind, 147
Average hourly velocity, 6.1 Extreme velocity, * 13
Maximum velocity, * 13 Direction, W
Time began, 2:13 P.m.
Reduced barometer, 29.89 7 a. m. 29.84 7 p. m.
River gage, −0.3 feet
Relative humidity, 80 7 a. m. 45 7 p. m.

OBSERVATIONS AT 12 NOON.
(Local Mean Time.)
Dry temperature, 85.9 Wet temperature, 66.9
Dew-point, 56 R. humidity, 37 V. pressure, .448
Clouds: Amount, 5; Kind, Ci St; Direction, W
Velocity of clouds (miles per hour)

THERMOGRAPH
M 2 4 6 8 10 XII 2 4 6 8 10 M
90 80 70 60




Prepared by L. C. S.

Verified by

8—486

## NOTES

* For 17 hrs. 20 min.
x Interpolated Clock stopped
Flying conditions good
* Interpolated per Met W entries

Form No. 1014—Met'l

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Saturday, (Date) AUG 26 1933, 193

Time (local standard) 90 mer. normal time.

| | A.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 | P.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Temperature at end of hour (71) | 71 | 70 | 68 | 67 | 66 | 68 | 69 | 75 | 79 | 82 | 84 | 86 | 80 | 85 | 87 | 86 | 85 | 83 | 79 | 76 | 74 | 71 | 70 | 67 |
| State of weather. Nature of precipitation and time of beginning and ending | | | | | | | | | | | | | R 12:10 R E 12:15 | | | | | | | | | | | |
| Amounts of precipitation | | | | | | | | | | | | | T | | | | | | | | | | | |
| Cloudiness and other conditions | | | | | | ← Pt Cloudy | | | | | | | | | | ← Clear | | | ← Pt Cldy | | → | | | |
| | | | | | | | a Cu | | | | | Cir + Cu | | | | | | | St + Cu | | | | | |
| Sunshine (in tenths of hours) | | | | | | .9 0 | 1.0 0 | 0.1 0.6 | 0.9 | 1.0 | 0.8 | 1.0 | 0.2 | 0.7 | 0.7 | 0.9 | 0.4 | 0 | 0 | | | | | |
| Wind direction | 0 | W | W | 0 | W | 0 | W | W | W | W | W | W | SW | SW | N | W | NW | NW | NW | NW | NW | NW | NW | NW |
| Wind movement | 1 | 2 | 3 | 1 | 2 | 1 | 3 | 3 | 4 | 7 | 9 | 11 | 12 | 9 | 8 | 12 | 10 | 9 | 9 | 9 | 7 | 6 | 6 | 7 |
| Maximum velocities (exceeding 24 miles) direction and time | | | | | | | | | | | | | | | | | | | | | | | | |

Sunrise: Time, 5:02 Character, Clear. Moonrise:

Sunset: Time, 6:24 Character, Cloudy. Moonset:

Wind data corrected to true velocity.

| Total duration. From— | To— | Total amount of precipitation. | Excessive rate. Began— | Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | | | | | |

Excessive precipitation, accumulated amounts

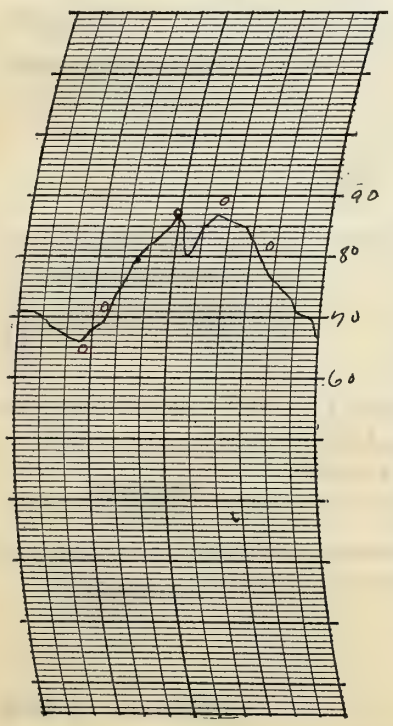
| Maximum Temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 87 | 66 | 76 | |

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., T ins.
Total precipitation, midnight to midnight, T inches.
Character of day, Pt Cloudy Moon phase,
Average daily cloudiness (0-10), 5
Actual sunshine, hours, 9.3 Possible sunshine, hours, 13.4
Per cent of possible sunshine, 69
Prevailing wind direction, W Total wind, 151
Average hourly velocity, 6.3 Extreme velocity, 17
Maximum velocity, 16 Direction, W
Time began, 12:05 P.M.
Reduced barometer, 29.93 7 a. m. 29.92 7 p. m.
River gage, -0.3 feet
Relative humidity, 81 7 a. m. 47 7 p. m.

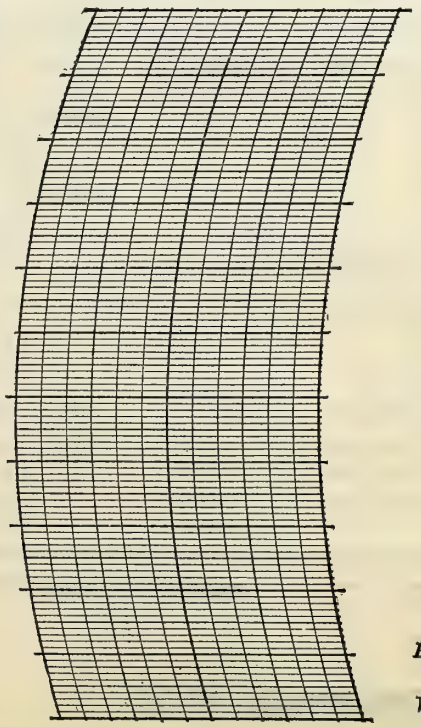
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 86.0 Wet temperature, 69.0
Dew-point, 60 R. humidity, 42 V. pressure, 517
Clouds: Amount, 5; Kind, Cu+St; Direction, W
Velocity of clouds (miles per hour)

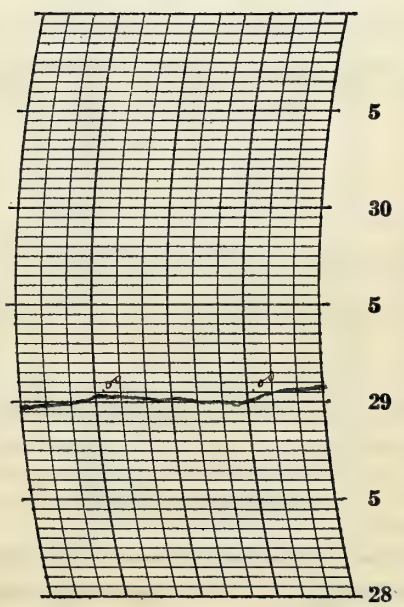
THERMOGRAPH




THERMOGRAPH




BAROGRAPH.




Prepared by L C.S.

Verified by W.

8—486

## NOTES

A very light thunderstorm occurred from 12:05 P.M. to 12:30 P.M. (was mostly in the south and heavier part passed south of station.

A very light thunderstorm is noted from 1:45 P.M. to 2:25 P.M.

No damage reported from either storm. Day was suitable for flying.

Form No. 1014—Met'1

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Sunday, (Date) AUG 27 1933, 193

Time (local standard) 90 mer. normal time. 67

| | A.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 | P.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Temperature at end of hour | 66 | 65 | 64 | 63 | 62 | 62 | 65 | 67 | 70 | 73 | 76 | 77 | 80 | 80 | 83 | 82 | 81 | 79 | 76 | 74 | 72 | 70 | 69 | 68 |
| State of weather. Nature of precipitation and time of beginning and ending | | | | | | | | | | | | | | | | | | | | | | | | |
| Amounts of precipitation | | | | | | | | | | | | | | | | | | | | | | | | |
| Cloudiness and other conditions | | | | | | ← | Clear | | → | p+ cldy | | | | ← | Clear | | → | p+ cldy | | | ← | Clear | → | |
| | | | | | | | | | | | | a cu | | | | | | Ci, | St+ Cu | | | | | |
| Sunshine (in tenths of hours) | | | | | | .95 0 | 0.6 0.4 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 0.8 | 1.0 | 1.0 | 0.8 | 0.1 | 0 | | | | | |
| Wind direction | NW | NW | NW | NW | N | N | NE | NE | NE | NE | N | N | N | N | N | N | N | N | N | N | N | NE | NE | NE |
| Wind movement | 5 | 6 | 6 | 5 | 7 | 7 | 7 | 9 | 9 | 8 | 7 | 8 | 6 | 5 | 6 | 7 | 7 | 9 | 7 | 7 | 6 | 6 | 4 | 3 |
| Maximum velocities (exceeding 24 miles) direction and time | | | | | | | | | | | | | | | | | | | | | | | | |

Sunrise: Time, 5:03 Character, Clear
Moonrise:
Sunset: Time, 6:22 Character, Cloudy
Moonset:

Wind data corrected to true velocity.

Excessive precipitation, accumulated amounts

| Total duration. From— | To— | Total amount of precipitation. | Excessive rate. Began— | Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | | | | | |

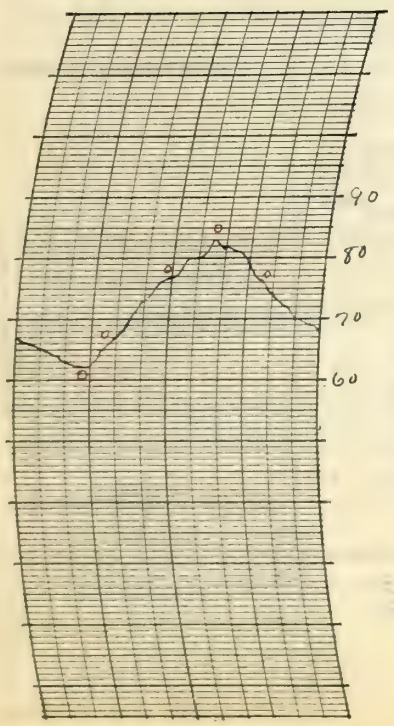
| Maximum Temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 83 | 62 | 72 | |

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Clear Moon phase,
Average daily cloudiness (0-10), 3
Actual sunshine, hours, 11.6 Possible sunshine, hours, 13.3
Per cent of possible sunshine, 87
Prevailing wind direction, N Total wind, 157
Average hourly velocity, 6.5 Extreme velocity, 10
Maximum velocity, 10 Direction, NE
Time began, 7:55 a. m.
Reduced barometer, 30.05 7 a. m. 29.99 7 p. m.
River gage, -0.3 feet
Relative humidity, 80 7 a. m. 45 7 p. m.

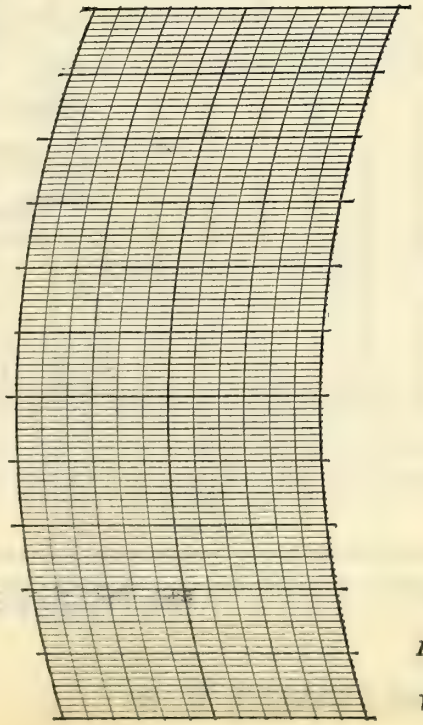
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 77.0 Wet temperature, 63.5
Dew-point, 55 R. humidity, 47 V. pressure, .432
Clouds: Amount, 6; Kind, a Cu; Direction, W
Velocity of clouds (miles per hour)

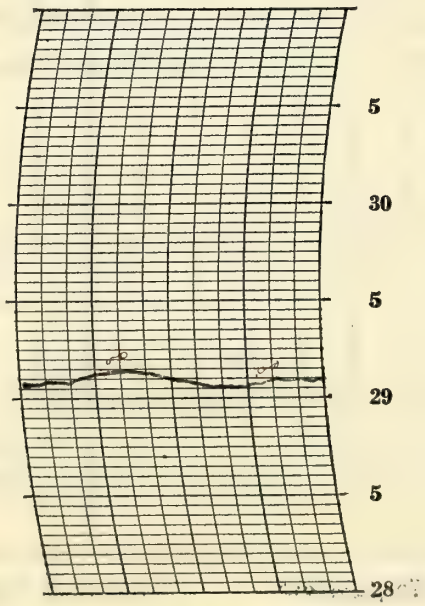
THERMOGRAPH




THERMOGRAPH




BAROGRAPH.




Prepared by L. C. S.

Verified by

8—486

## NOTES

Flying Conditions excellent

Form No. 1014—Met'l

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Monday, (Date) AUG 28 1933, 193

Time (local standard) 90 mer. normal time.

| | A.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 | P.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Temperature at end of hour (68) | 68 | 66 | 66 | 64 | 61 | 60 | 59 | 60 | 60 | 61 | 64 | 69 | 71 | 74 | 75 | 75 | 74 | 73 | 71 | 70 | 68 | 65 | 64 | 63 |
| State of weather. Nature of precipitation and time of beginning and ending | | | | RB DNA | | | | | | RE 9:05 | | | | | | | | | | | | | | |
| Amounts of precipitation | | | | T | .03 | .04 | .07 | .03 | .01 | T | | | | | | | | | | | | | | |
| Cloudiness and other conditions | | | | | | Cloudy | | | | | | pt cldy | | | | | Cloudy | | | | pt cldy | | | |
| | | | | | | | st cu | | | | | ac cu + st | | | | | | ac cu + cu | | | | | | |
| Sunshine (in tenths of hours) | | | | | | 0 | 0 | 0 | 0 | 0 | 0.2 | 1.0 | 1.0 | 1.0 | 1.0 | 0.7 | 0 | 0 | 0 | | | | | |
| Wind direction | NE | NE | N | NW | N | N | NE | NE | NE | NE | NE | NE | N | SE | S | S | S | S | SW | NW | NW | NW | NW | N |
| Wind movement | 3 | 5 | 6 | 7 | 7 | 6 | 6 | 3 | 4 | 2 | 4 | 4 | 4 | 5 | 7 | 8 | 9 | 7 | 7 | 6 | 6 | 5 | 6 | 7 |
| Maximum velocities (exceeding 24 miles) direction and time | | | | | | | | | | | | | | | | | | | | | | | | |

Sunrise: Time, 5:04 Character, Cloudy. Moonrise:

Sunset: Time, 6:21 Character, Cloudy. Moonset:

Wind data corrected to true velocity.

| Total duration. From— | To— | Total amount of precipitation. | Excessive rate. Began— | Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | | | | | |

Excessive precipitation, accumulated amounts

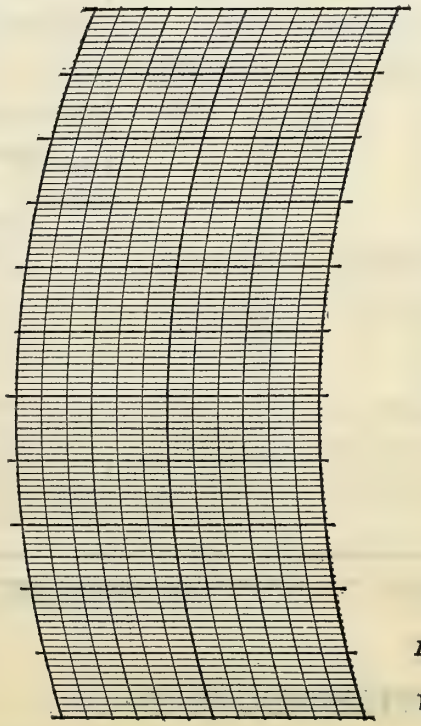
| Maximum Temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 75 | 59 | 67 | |

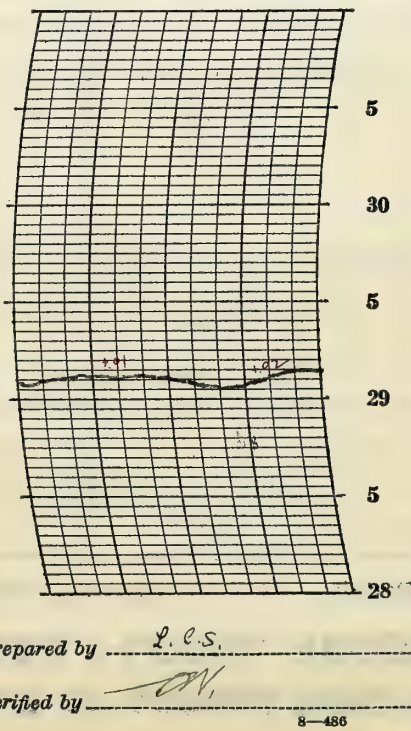
Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., .12 ins.; to 7 p. m., .06 ins.
Total precipitation, midnight to midnight, 0.18 inches.
Character of day, Cloudy Moon phase,
Average daily cloudiness (0-10), 8
Actual sunshine, hours, 4.9 Possible sunshine, hours, 13.3
Per cent of possible sunshine, 37
Prevailing wind direction, NE Total wind, 134
Average hourly velocity, 5.6 Extreme velocity, 10
Maximum velocity, 10 Direction, S
Time began, 4:40 P.M.
Reduced barometer, 30.04 7 a. m. 30.03 7 p. m.
River gage, -0.2 feet
Relative humidity, 90 7 a. m. 64 7 p. m.

OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 69.2 Wet temperature, 63.1
Dew-point, 60 R. humidity, 72 V. pressure, .517
Clouds: Amount, 3 4 ac cu; Kind, St.; Direction, W
Velocity of clouds (miles per hour)

THERMOGRAPH
M 2 4 6 8 10 XII 2 4 6 8 10 M
90 80 70 60




Prepared by L. C. S.

Verified by

8—486

## NOTES

Frying Conditions Were fair Until about 10:00 a.m. after which they were good.

Form No. 1014—Met'l

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Tuesday, (Date) AUG 29 1933, 193

| Time (local standard) 90 mer. normal time. | A.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 | P.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Temperature at end of hour (63) | 62 | 60 | 59 | 58 | 57 | 56 | 59 | 64 | 67 | 69 | 72 | 74 | 77 | 78 | 78 (79) | 78 | 78 | 77 | 74 | 71 | 68 | 66 | 65 | 63 |
| State of weather: Nature of precipitation and time of beginning and ending | | | | | | | | | | | | | | | | | | | | | | | | |
| Amounts of precipitation | | | | | | ← | | | clear | | | | | | | | partly cloudy | | clear | → | | | | |
| Cloudiness and other conditions | | | | | | | Cu | | | | | Cu | | | | | | | Cu | | | | | |
| Sunshine (in tenths of hours) | | | | | | .9 3 0 | 0.9 0.1 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 0.8 | 0.2 0.7 | 1.0 0 | .3 2 0 | | | | | |
| Wind direction | N | N | N | N | N | NE | NE | NE | NE | NE | NE | NE | NE | SE | NE | NE | NE | NE | NE | NE | NE | E | E | E |
| Wind movement | 7 | 8 | 7 | 7 | 7 | 9 | 9 | 11 | 9 | 9 | 9 | 9 | 7 | 8 | 6 | 6 | 7 | 5 | 6 | 4 | 6 | 7 | 6 | 4 |
| Maximum velocities (exceeding 24 miles) direction and time | | | | | | | | | | | | | | | | | | | | | | | | |

Sunrise: Time, 5:04 Character, Clear. Moonrise: ____ ____

Sunset: Time, 6:19 Character, Clear. Moonset: ____ ____

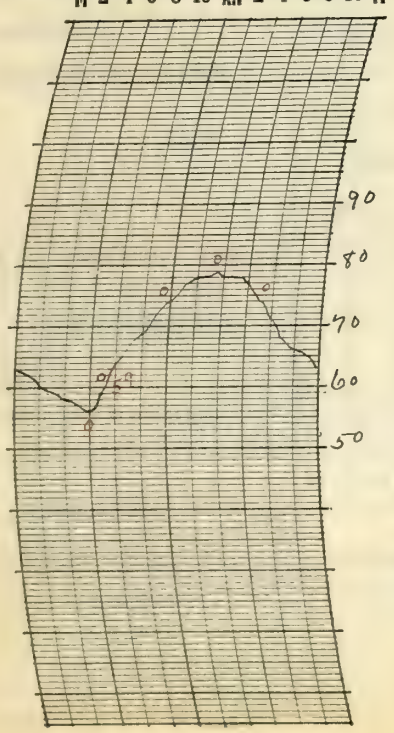
| Wind data corrected to true velocity. | Total duration. From— | To— | Total amount of precipitation. | Excessive rate. Began— | Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Excessive precipitation, accumulated amounts | | | | | | | | | | | | | | | | | | | | |

| Maximum Temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 79 | 56 | 68 | |

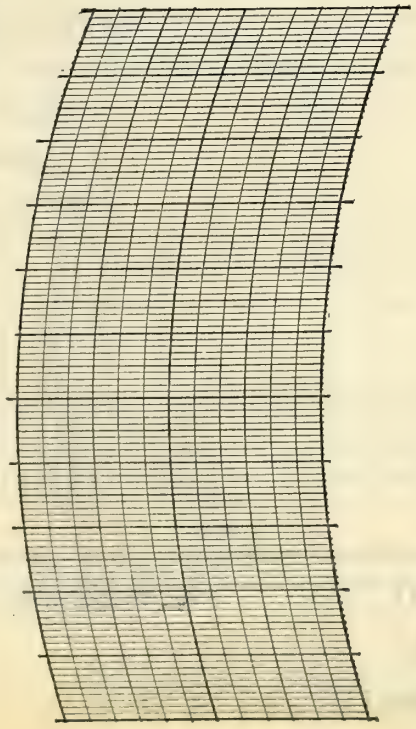
Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Clear Moon phase, ____
Average daily cloudiness (0-10), 2
Actual sunshine, hours, 13.0 Possible sunshine, hours, 13.2
Per cent of possible sunshine, 98
Prevailing wind direction, NE Total wind, 173
Average hourly velocity, 7.2 Extreme velocity, 14
Maximum velocity, 13 Direction, NE
Time began, 7:52 a.m.
Reduced barometer, 30.18 7 a. m. 30.16 7 p. m.
River gage, 0.1 feet
Relative humidity, 73 7 a. m. 39 7 p. m.

OBSERVATIONS AT 12 NOON.
(Local Mean Time.)
Dry temperature, 74.0 Wet temperature, 61.0
Dew-point, 53 R. humidity, 47 V. pressure, 402
Clouds: Amount, 2; Kind, Cu; Direction, N
Velocity of clouds (miles per hour)

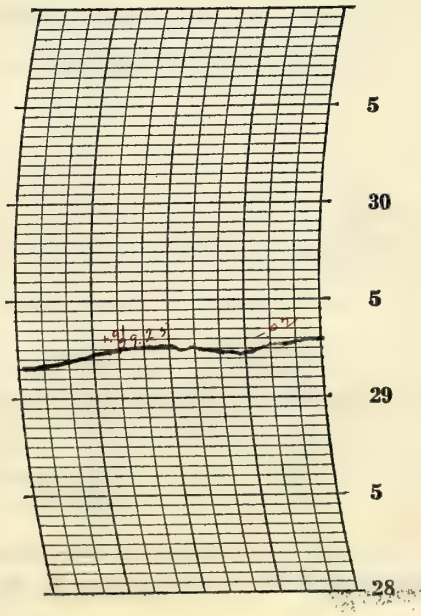
THERMOGRAPH




THERMOGRAPH




BAROGRAPH.




Prepared by R. C. S.

Verified by ____

8—486

## NOTES

Filipina condition excellent

Form No. 1014—Met'1

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) ~~Wednesday~~ Thursday, (Date) AUG 30 1933, 193

Time (local standard) 90 mer. normal time.

| | A.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 | P.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Temperature at end of hour (63) | 62 | 61 | 60 | 61 | 60 | 58 | 61 | 64 | 68 | 73 | 76 | 78 | 77 | 78 | 80 | 79 | 78 | 77 | 74 | 72 | 70 | 68 | 66 | 65 |
| State of weather. Nature of precipitation and time of beginning and ending | | | | | | | | | | | | | | | | | | | | | | | | |
| Amounts of precipitation | | | | | | | | | | | | | | | | | | | | | | | | |
| Cloudiness and other conditions | | | | | | Pt Cloudy | | | | | Cloudy | | | | | | | Pt Cloudy | | | | | | |
| | | | | | | | Cu | | | | Cu St | | | | | | | Cu + Cu | | | | | | |
| Sunshine (in tenths of hours) | | | | | | .9 2 0 | 1.0 0 | 0.4 0.6 | 1.0 | 1.0 | 1.0 | 0.7 | 0.1 | 0 | 0.8 | 0.8 | 0 | 0 | 0 | | | | | |
| Wind direction | E | NE | NE | NE | NE | NE | NE | E | NE | E | E | E | E | E | SE | SE | SE | SE | NE | NE | E | E | E | E |
| Wind movement | 4 | 6 | 8 | 6 | 6 | 7 | 7 | 7 | 6 | 9 | 9 | 10 | 9 | 8 | 8 | 9 | 8 | 4 | 7 | 6 | 5 | 5 | 5 | 6 |
| Maximum velocities (exceeding 24 miles) direction and time | | | | | | | | | | | | | | | | | | | | | | | | |

Sunrise: Time, 5:05 Character, Clear. Moonrise:

Sunset: Time, 6:17 Character, Cloudy. Moonset:

Wind data corrected to true velocity.

Excessive precipitation, accumulated amounts

| Total duration. From— | To— | Total amount of precipitation. | Excessive rate. Began— | Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | | | | | |

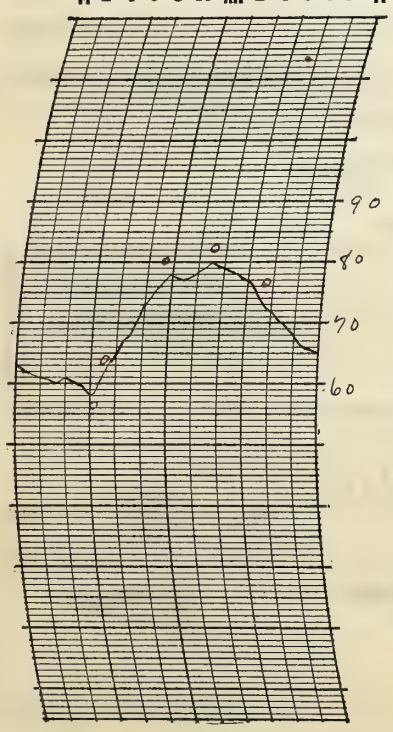
| Maximum Temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 80 | 58 | 69 | |

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Pt Cloudy Moon phase,
Average daily cloudiness (0-10), 6
Actual sunshine, hours, 8.3 Possible sunshine, hours, 13.2
Per cent of possible sunshine, 63
Prevailing wind direction, E Total wind, 165
Average hourly velocity, 6.9 Extreme velocity, 12
Maximum velocity, 12 Direction, SE
Time began, 12:15 P.m.
Reduced barometer, 30.23 7 a. m. 30.10 7 p. m.
River gage, -0.2 feet
Relative humidity, 80 7 a. m. 43 7 p. m.

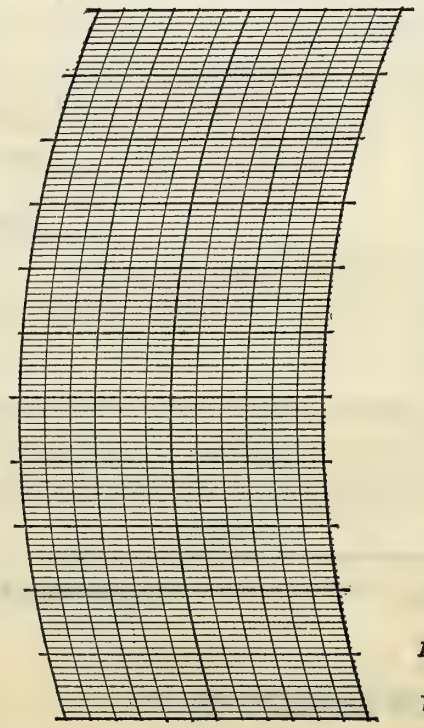
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 77.8 Wet temperature, 60.3
Dew-point, 48 R. humidity, 35 V. pressure, .334
Clouds: Amount, 8; Kind, Cu St; Direction, E
Velocity of clouds (miles per hour)

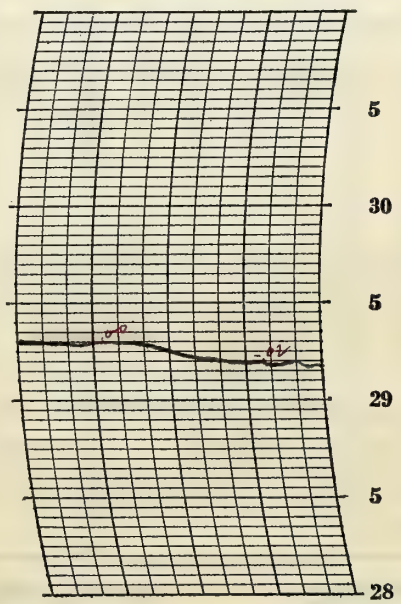
THERMOGRAPH




THERMOGRAPH




BAROGRAPH.




*Prepared by* L.C.S.

*Verified by* CW

8—486

## NOTES

Flying conditions good to excellent

Form No. 1014—Met'l

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(Station) Fort Wayne. Ind., (Day of week) Thursday, (Date) AUG 31 1933, 193

Time (local standard) 90 mer. normal time.

| | 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 | 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | A. M. | | | | | | | | | | | | P. M. | | | | | | | | | | | |
| Temperature at end of hour (45) | 64 | 62 | 61 | 60 | 59 | 58 | 64 | 67 | 70 | 74 | 75 | 77 | 77 | 78 | 79 (80) | 79 | 78 | 76 | 74 | 72 | 70 | 68 | 67 | 66 |
| State of weather: Nature of precipitation and time of beginning and ending | | | | | | | | | | | | | | | | | | | | | | | | |
| Amounts of precipitation | | | | | | | | | | | | | | | | | | | | | | | | |
| Cloudiness and other conditions | | | | | | ← Clear | | | | | | ← Pt Cldy | | | | | | | ← Clear | | → | | | |
| | | | | | | | a cu | | | | | cu | | | | | | | cu | | | | | |
| Sunrise: Time 5:07, Character Clear | | | | | | | | | | | | | | | | | | | | | Sunset: Time 6:16, Character Cloudy | | | |
| Moonrise: | | | | | | | | | | | | | | | | | | | | | Moonset: | | | |
| Sunshine (in tenths of hours) | | | | | | .88 0 | 0.9 0.1 | 0.9 | 1.0 | 1.0 | 1.0 | 0.8 | 0.3 | 0.4 | 0.8 | 1.0 | 0 | 0 | 0 | | | | | |
| Wind direction | E | E | E | E | E | E | E | E | E | NE | E | E | E | E | E | SE | SE | SE | SE | SE | SE | SE | SE | SE |
| Wind movement | 5 | 3 | 4 | 4 | 4 | 2 | 2 | 3 | 5 | 6 | 8 | 6 | 8 | 6 | 6 | 7 | 9 | 9 | 6 | 7 | 7 | 6 | 5 | 3 |
| Maximum velocities (exceeding 24 miles) direction and time | | | | | | | | | | | | | | | | | | | | | | | | |

Wind data corrected to true velocity.

| Total duration. From— | To— | Total amount of precipitation. | Excessive rate. Began— | Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | | | | | |

Excessive precipitation, accumulated amounts

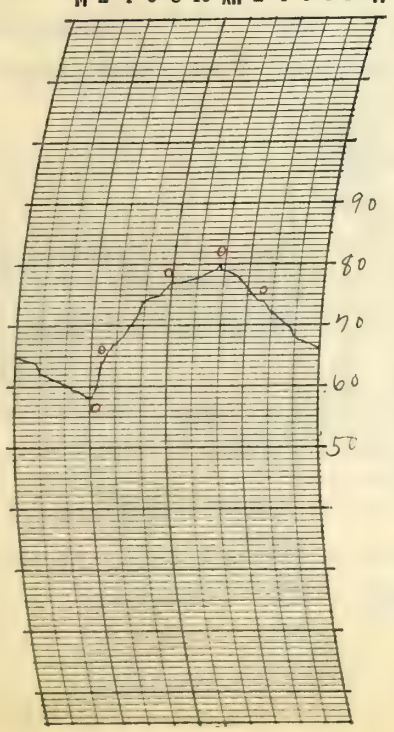
| Maximum Temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 80 | 58 | 69 | |

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Clear Moon phase,
Average daily cloudiness (0-10), 3
Actual sunshine, hours, 9.1 Possible sunshine, hours, 13.2
Per cent of possible sunshine, 69
Prevailing wind direction, E Total wind, 131
Average hourly velocity, 5.5 Extreme velocity, 10
Maximum velocity, 10 Direction, S
Time began, 5:14 P.M.
Reduced barometer, 30.09 7 a. m. 30.02 7 p. m.
River gage, -0.3 feet
Relative humidity, 76 7 a. m. 62 7 p. m.

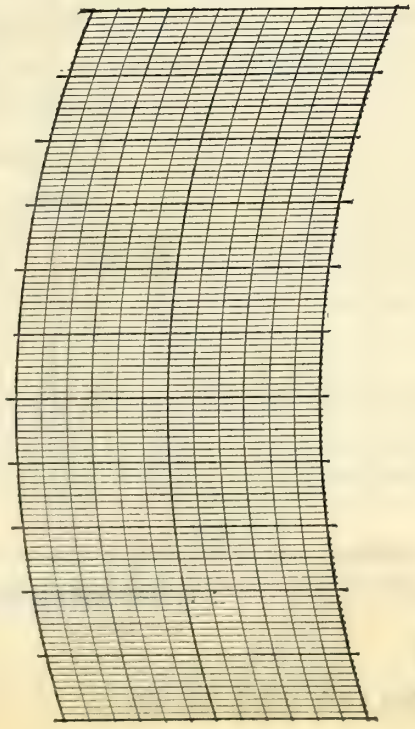
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 77.0 Wet temperature, 64.5
Dew-point, 57 R. humidity, 51 V. pressure, 465
Clouds: Amount, 5; Kind, Cu; Direction, E
Velocity of clouds (miles per hour)

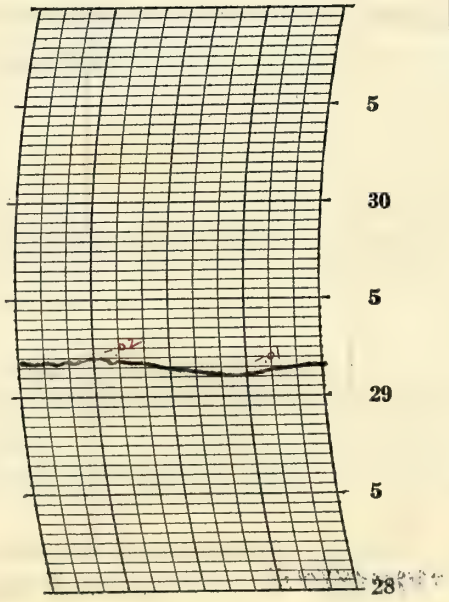
THERMOGRAPH




THERMOGRAPH




BAROGRAPH.




Prepared by L. C. S.

Verified by

8—486

## NOTES

Flying conditions good to excellent

Form No. 1014—Met'1

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Friday, (Date) SEP 1 1933, 193

Time (local standard) 90 mer. normal time.

| | A.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 | P.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Temperature at end of hour (66) | 65 | 64 | 63 | 62 | 62 | 60 | 64 | 67 | 71 | 75 | 77 | 79 | 81 | 83 | 83 | 82 | 81 | 80 | 78 | 75 | 73 | 72 | 71 | 69 |
| State of weather. Nature of precipitation and time of beginning and ending | | | | | | | | | | | | | | | | | | | | | | | | |
| Amounts of precipitation | | | | | | | | | | | | | | | | | | | | | | | | |
| Cloudiness and other conditions | | | | | | ← | | Clear | | | | × | Pt Cldy | | | | | × | Clear | | → | | | |
| | | | | | | | | | | | | Cu | | | | | | Cu, Cu, St, Fra | | | | | | |
| Sunshine (in tenths of hours) | | | | | | 8.7 0 | 1.0 0 | 0.3 0.7 | 1.0 | 1.0 | 0.6 | 0.9 | 0.8 | 0.8 | 0.8 | 0.8 | 0.4 0.6 | 1.0 0 | .23 0 | | | | | |
| Wind direction | SE | SE | SE | SE | SE | SE | SE | SE | S | S | SE | SE | SE | SE | SE | S | SE | SE | SE | SE | SE | SE | SE | S |
| Wind movement | 3 | 3 | 3 | 4 | 4 | 4 | 3 | 5 | 7 | 6 | 5 | 7 | 6 | 5 | 5 | 6 | 7 | 5 | 6 | 9 | 9 | 9 | 9 | 9 |
| Maximum velocities (exceeding 24 miles) direction and time | | | | | | | | | | | | | | | | | | | | | | | | |

Sunrise: Time, 5:08 Character, Clear
Moonrise: 5:[illegible] p

Sunset: Time, 6:14 Character, Clear
Moonset:

| Maximum Temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 83 | 60 | 72 | |

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Clear Moon phase,
Average daily cloudiness (0-10), 3
Actual sunshine, hours, 11.8 Possible sunshine, hours, 13.1
Per cent of possible sunshine, 90
Prevailing wind direction, SE Total wind, 139
Average hourly velocity, 5.8 Extreme velocity, 10
Maximum velocity, 10 Direction, SE
Time began, 8:18 P.M.
Reduced barometer, 30.11 7 a. m. 30.00 7 p. m.
River gage, -0.3 feet
Relative humidity, 94 7 a. m. 50 7 p. m.

Wind data corrected to true velocity.

| Total duration. From— | To— | Total amount of precipitation. | Excessive rate. Began— | Ended— | Amount before excessive began. |
|---|---|---|---|---|---|
| | | | | | |

Excessive precipitation, accumulated amounts

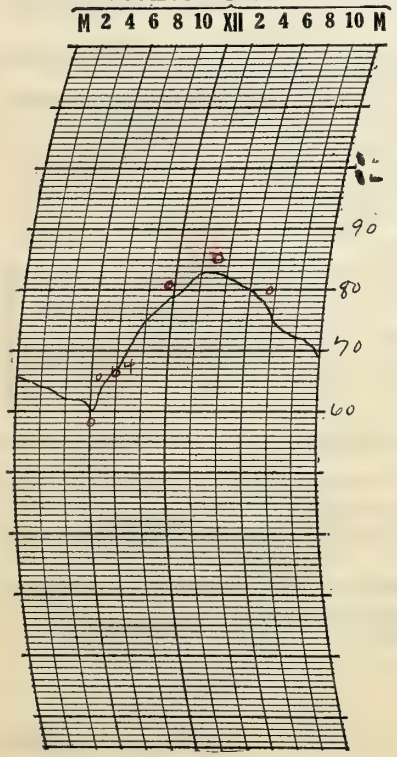
Accumulated depths during excessive rate, for consecutive periods of time indicated below.

| 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | |

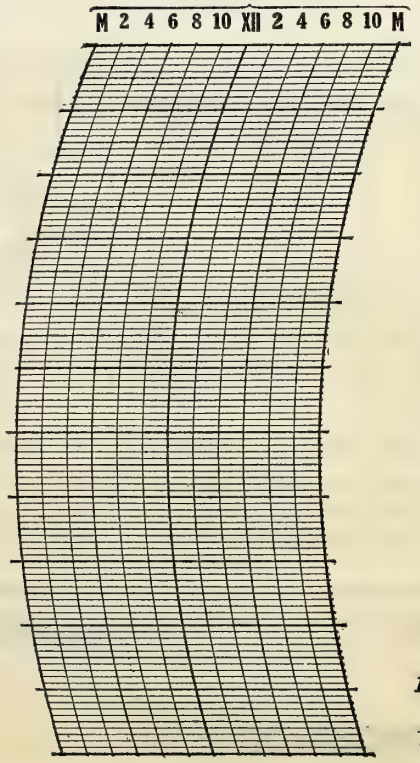
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 79.0 Wet temperature, 65.5
Dew-point, 58 R. humidity, 49 V. pressure, 482
Clouds: Amount, 4; Kind, Cu; Direction, S
Velocity of clouds (miles per hour)

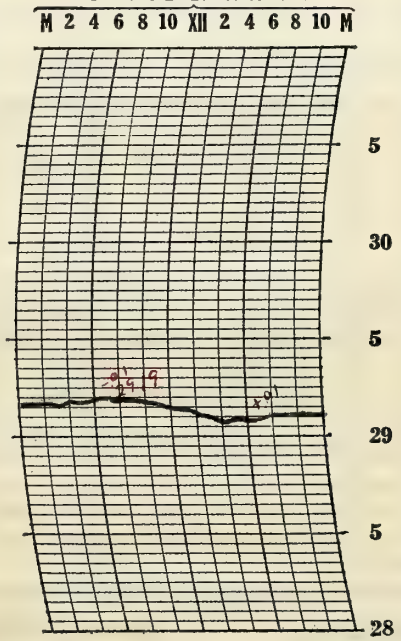
THERMOGRAPH




THERMOGRAPH




BAROGRAPH.




Prepared by L.C.S.

Verified by W.

8—486

## NOTES

Flying conditions good to excellent.

Form No. 1014—Met'1

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(Station) Fort Wayne Ind., (Day of week) Saturday, (Date) SEP 2 1933, 193

Time (local standard) 90 mer. normal time.

| | A.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 | P.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Temperature at end of hour 69 | 68 | 67 | 67 | 66 | 65 | 64 | 67 | 72 | 77 | 79 | 81 | 83 | 82 | 79 | 72 | 72 | 74 | 74 | 73 | 72 | 72 | 72 | 70 | 70 |
| State of weather. Nature of precipitation and time of beginning and ending | | | | | | | | | | | | | | | RB 2:24 | RE 3:46 * (1) | RB 4:40 | RE 5:15 | | | | | RB DNP | R until |
| Amounts of precipitation | | | | | | | | | | | | | | | .02 | .07 | T | .01 | | | | | .08 | .11 |
| Cloudiness and other conditions | ← Clear | | | | | | | → Pt Cloudy | | | | | ← Cloudy | | | | | | | → | | | | |
| | | | | | | | cu | st+cu | | | | cu st | | | | | | | st+cu | | | | | | |
| Sunshine (in tenths of hours) | | | | | | .8 5 C | 1.0 5 | .2 .8 | 0.9 | 0.2 | 1.0 | 0.8 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | |
| Wind direction | S | S | S | S | SE | SE | SE | SE | S | S | S | S | S | SW | SW | SW | O | SW | SW | SW | SE | E | E | SE |
| Wind movement | 8 | 7 | 5 | 6 | 5 | 7 | 6 | 7 | 9 | 10 | 11 | 12 | 12 | 11 | 12 | 4 | 1 | 3 | 3 | 6 | 7 | 4 | 5 | 6 |
| Maximum velocities (exceeding 24 miles) direction and time | | | | | | | | | | | | | | | | | | | | | | | | |

Sunrise: Time 5:09, Character Clear
Moonrise: 5:30 P
Sunset: Time 6:12, Character Cloudy
Moonset:

| Maximum Temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 83 | 64 | 74 | |

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., .0 ins.; to 7 p. m., .10 ins.
Total precipitation, midnight to midnight, 0.29 inches.
Character of day, Pt Cloudy Moon phase,
Average daily cloudiness (0-10), 6
Actual sunshine, hours, 5.8 Possible sunshine, hours, 13.0
Per cent of possible sunshine, 45
Prevailing wind direction, S Total wind, 167
Average hourly velocity, 7.0 Extreme velocity, 20
Maximum velocity, 20 Direction, SW
Time began, 2:08 P.m.
Reduced barometer, 30.03 7 a. m. 29.97 7 p. m.
River gage, -0.3 feet
Relative humidity, 77 7 a. m. 89 7 p. m.

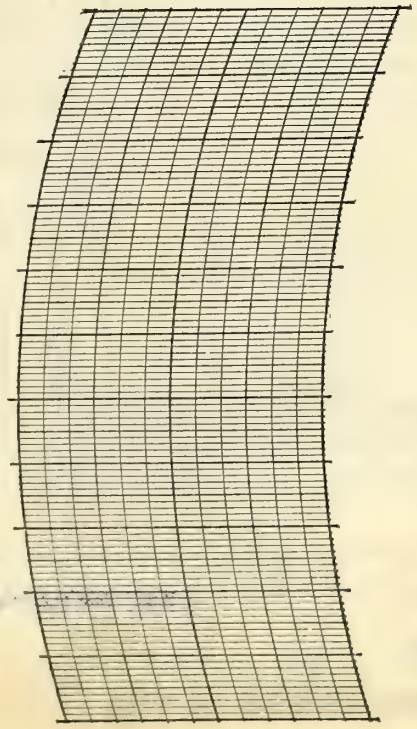
Wind data corrected to true velocity.

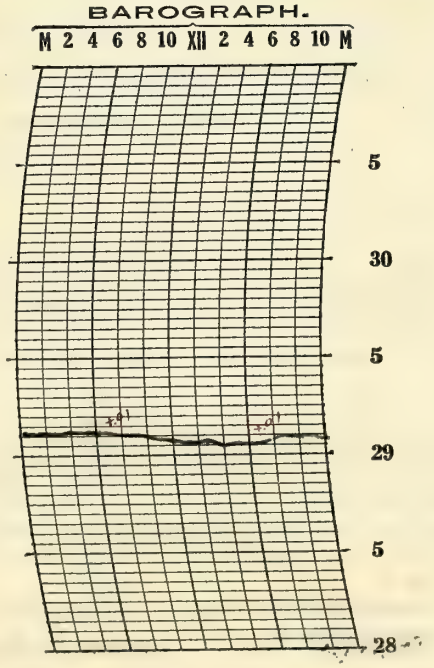
| Total duration. From— | To— | Total amount of precipitation. | Excessive rate. Began— | Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | | | | | |

Excessive precipitation, accumulated amounts

OBSERVATIONS AT 12 NOON.
(Local Mean Time.)
Dry temperature, 82.9 Wet temperature, 67.9
Dew-point, 60 R. humidity, 46 V. pressure, 517
Clouds: Amount, 7; Kind, Cist; Direction, S
Velocity of clouds (miles per hour)

THERMOGRAPH
M 2 4 6 8 10 XII 2 4 6 8 10 M
100 90 80 70 60




Prepared by L. C. S.
Verified by

8—486

## NOTES

* 7 figures in parenthesis hundredths added to automatic record.

Earlier portion of day was excellent for flying, while latter portion of the day was fair.

Form No. 1014—Met'1

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

# DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Sunday, (Date) SEP 3 1933, 193

Time (local standard) 90 mer. normal time.

| | A.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 | P.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Temperature at end of hour (70) | 70 | 70 | 71 | 71 | 71 | 71 | 71 | 72 | 73 | 73 | 75 | 78 | 81 | 81 | 80 | 80 | 80 | 78 | 77 | 76 | 75 | 74 | 73 | 72 |
| State of weather. Nature of precipitation and time of beginning and ending | RE DNH | | | | | | | RB 7:30 | RE 8:40 | | | | | | | | | | | | | | | |
| Amounts of precipitation | T | | | | | | | T | .03 (1) | | | | | | | | | | | | | | | |
| Cloudiness and other conditions | | | | | | ← | | Cloudy | | | | × Pt Cloudy | | | | | × Cloudy | | | → | | | | |
| | | | | | | | | st cu | | | | ac & st cu | | | | | | | st | | | | | |
| Sunrise: Time, 5:10 Character, Cloudy | | | | | | | | | | | | | | | | | | | | | Sunset: Time, 6:11 Character, Cloudy | | | |
| Moonrise: 5:56 P | | | | | | | | | | | | | | | | | | | | | Moonset: | | | |
| Sunshine (in tenths of hours) | | | | | | 0 | 0 | 0 | 0 | 0 | 0 | 0.6 | 0.4 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | |
| Wind direction | SE | S | S | S | SE | SE | SE | S | NW | NW | NW | NW | NW | NW | W | W | SW | SW | W | W | W | W | W | W |
| Wind movement | 4 | 5 | 5 | 5 | 4 | 4 | 3 | 5 | 5 | 4 | 4 | 3 | 6 | 5 | 6 | 6 | 6 | 5 | 5 | 6 | 5 | 5 | 5 | 5 |
| Maximum velocities (exceeding 24 miles) direction and time | | | | | | | | | | | | | | | | | | | | | | | | |

Wind data corrected to true velocity.

| | Total duration. From— | To— | Total amount of precipitation. | Excessive rate. Began— | Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Excessive precipitation, accumulated amounts | | | | | | | | | | | | | | | | | | | | |

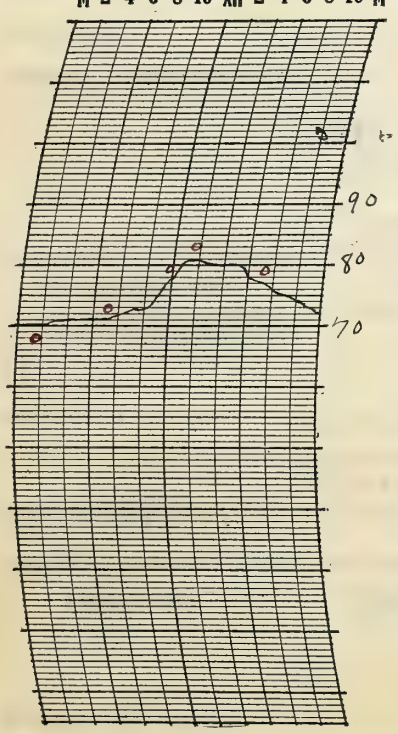
| Maximum Temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 81 | 70 | 76 | |

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., .19 ins.; to 7 p. m., .03 ins.
Total precipitation, midnight to midnight, .03 inches.
Character of day, Cloudy Moon phase,
Average daily cloudiness (0-10), 9
Actual sunshine, hours, 4.0 Possible sunshine, hours, 13.0
Per cent of possible sunshine, 8
Prevailing wind direction, W Total wind, 116
Average hourly velocity, 4.8 Extreme velocity, 7
Maximum velocity, 7 Direction, W
Time began, 2:39 P.M.
Reduced barometer, 29.99 7 a. m. 29.98 7 p. m.
River gage, -0.3 feet
Relative humidity, 96 7 a. m. 80 7 p. m.

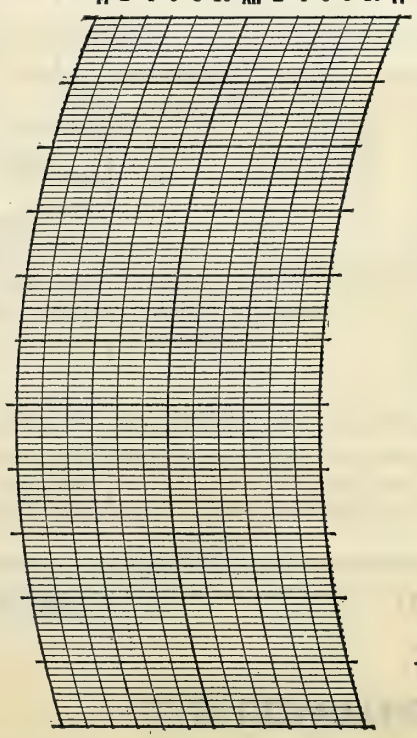
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 78.1 Wet temperature, 71.2
Dew-point, 68 R. humidity, 71 V. pressure, 6.84
Clouds: Amount, 3/4; Kind, st cu; Direction, W
Velocity of clouds (miles per hour)

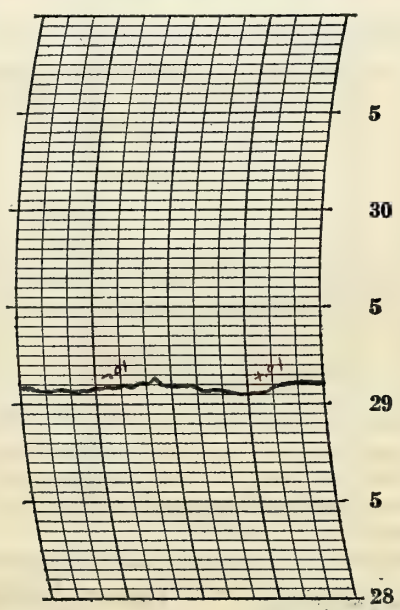
THERMOGRAPH




THERMOGRAPH




BAROGRAPH.




Prepared by L.C.S.

Verified by W.

8—486

## NOTES

* Numbers in parenthesis hundredths added to automatic record

Flying conditions were good all day.

Form No. 1014—Met'l

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD. (Labor Day)

(Station) Fort Wayne Ind, (Day of week) Monday, (Date) SEP 4 1933, 193

Time (local standard) 90 mer. normal time. 72

| | A.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 | P.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Temperature at end of hour | 72 | 71 | 71 | 70 | 70 | 71 | 72 | 79 | 82 | 84 | 86 | 87 | 88 | 89 | 90 | 88 | 87 | 84 | 82 | 80 | 78 | 76 | 75 | 68 |
| State of weather. Nature of precipitation and time of beginning and ending | | | | | | | | | | | | | | | | | | | | | | | | RB O.N.P. RE O.N.P. |
| Amounts of precipitation | | | | | | | | | | | | | | | | | | | | | | | | T |
| Cloudiness and other conditions | | | | | | ← | | | | | Clear | | | | | | | | | | → | | | |
| | | | | | | | a cu | | | | If fog Cu | | | | | | | | a cu+Cu | | | | | |
| Sunrise: Time, Character, 5:11 Clear. Moonrise: 6:18 P | | | | | | | | | | | | | | | | | | | | | Sunset: Time, Character, 6:09 Clear. Moonset: | | | |
| Sunshine (in tenths of hours) | | | | | | .82 0 | 1.0 0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 0.9 | 1.0 | 0.6 0.4 | 1.0 0 | .15 0 | | | | | |
| Wind direction | W | W | W | W | W | W | NW | N | NE | NE | NE | E | NE | NE | NE | E | E | SE | SE | SE | SE | SE | SE | NW |
| Wind movement | 6 | 5 | 4 | 6 | 4 | 2 | 5 | 7 | 8 | 8 | 6 | 5 | 5 | 5 | 5 | 6 | 3 | 6 | 5 | 5 | 4 | 8 | 6 | 9 |
| Maximum velocities (exceeding 24 miles) direction and time | | | | | | | | | | | | | | | | | | | | | | | | |

| Wind data corrected to true velocity. | Total duration. From— | To— | Total amount of precipitation. | Excessive rate. Began— | Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Excessive precipitation, accumulated amounts | | | | | | | | | | | | | | | | | | | | |

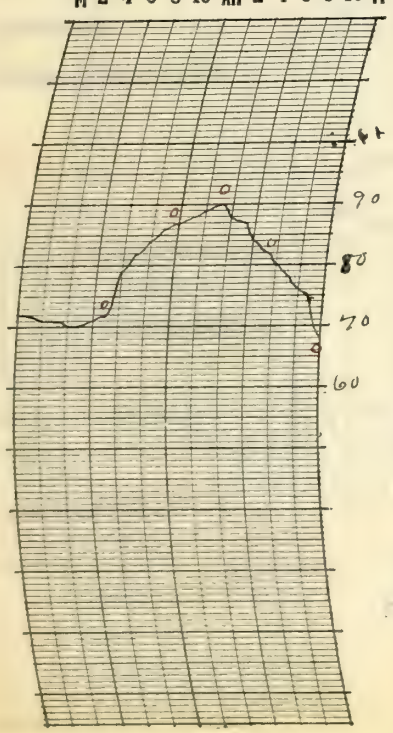
| Maximum Temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 90 | 68 | 79 | |

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, T inches.
Character of day, Clear Moon phase,
Average daily cloudiness (0-10), 1
Actual sunshine, hours, 12.9 Possible sunshine, hours, 13.0
Per cent of possible sunshine, 99
Prevailing wind direction, W. NE, SE Total wind, 133
Average hourly velocity, 5.5 Extreme velocity, 15
Maximum velocity, 15 Direction, NW
Time began, 11:29 P.M.
Reduced barometer, 30.07 7 a. m. 30.06 7 p. m.
River gage, -0.2 feet
Relative humidity, 91 7 a. m. 56 1 p. m.

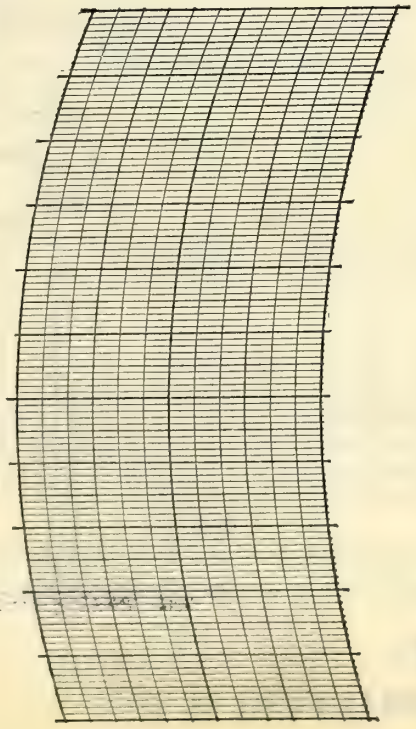
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 87.0 Wet temperature, 72.0
Dew-point, 65 R. humidity, 48 V. pressure, 616
Clouds: Amount, 2; Kind, cu; Direction, NW
Velocity of clouds (miles per hour)

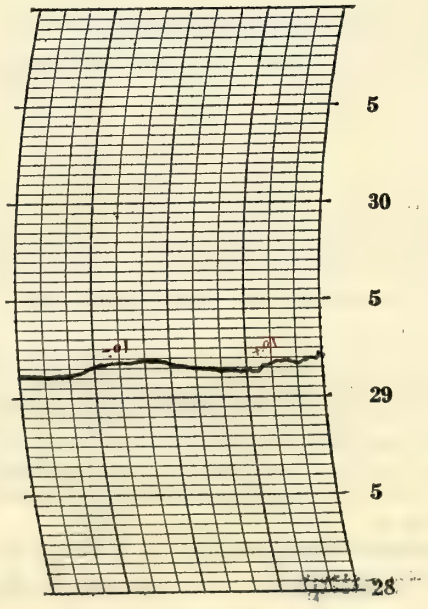
THERMOGRAPH




THERMOGRAPH




BAROGRAPH.




Prepared by L. C. J

Verified by

8—486

## NOTES

a light peal of thunder heard about 11:30 P.M.
Flying conditions were good all day.
There was a light haze all day.

Form No. 1014—Met'1

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Tuesday, (Date) SEP 5 1933, 193

Time (local standard) 90 mer. normal time.

| | A.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 | P.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Temperature at end of hour (68) | 68 | 69 | 69 | 71 | 71 | 66 | 69 | 72 | 76 | 78 | 80 | 81 | 84 | 86 | 88 | 88 | 86 | 83 | 81 | 78 | 76 | 74 | 72 | 71 |
| State of weather. Nature of precipitation and time of beginning and ending | | | | | | RB 5:00 | RE 6:36 | | | | | | | | | | | | | | | | | |
| Amounts of precipitation | | | | | | .07 | .43 | | | | | | | | | | | | | | | | | |
| Cloudiness and other conditions | | | | | | ← Cloudy | — | X | | | | Clear | → | | | | | | | | | | | |
| | | | | | | | S+ | Cu | | | | | | | | | | | | | | | | |
| Sunshine (in tenths of hours) | | | | | | 0 | 0 | 0.2 | 1.0 | 0.7 | 0.8 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 0.4 0.6 | 1.0 0 | .13 0 | | | | | |
| Wind direction | NE | SE | SE | SE | SE | S | E | E | NE | S | S | S | S | SW | SW | SW | SW | S | SW | SW | SW | S | S | S |
| Wind movement | 9 | 9 | 7 | 9 | 9 | 7 | 7 | 3 | 7 | 8 | 11 | 12 | 9 | 10 | 9 | 9 | 8 | 6 | 5 | 5 | 7 | 6 | 6 | 6 |
| Maximum velocities (exceeding 24 miles) direction and time | | | | | | | | | | | | | | | | | | | | | | | | |

Sunrise: Time, 5:11; Character, Cloudy. Moonrise: ____ ____

Sunset: Time, 6:08; Character, Clear. Moonset: ____ ____

Wind data corrected to true velocity.

| Excessive precipitation, accumulated amounts | Total duration. From— | To— | Total amount of precipitation. | Excessive rate. Began— | Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 5:60A | 6:36A | 0.50 | 6:09A | 6:27A | .08 | .10 | .34 | .41 | .41 | .41 | .41 | .42 | .42 | .42 | .42 | .42 | .42 | .42 | .42 |

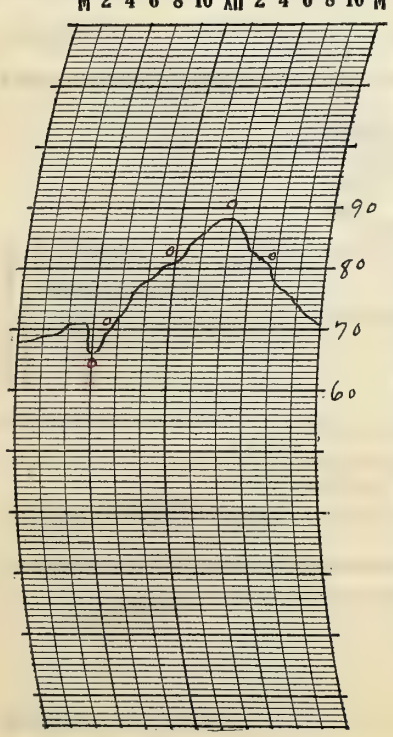
| Maximum Temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 88 | 66 | 77 | |

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., .50 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0.50 inches.
Character of day, Clear Moon phase, ____
Average daily cloudiness (0-10), 3
Actual sunshine, hours, 9.8 Possible sunshine, hours, 13.0
Per cent of possible sunshine, 75
Prevailing wind direction, S Total wind, 184
Average hourly velocity, 7.7 Extreme velocity, 14
Maximum velocity, 13 Direction, S
Time began, 10:52 a.m.
Reduced barometer, 30.11 7 a. m. 30.01 7 p. m.
River gage, 0.5 feet
Relative humidity, 92 7 a. m. 56 7 p. m.

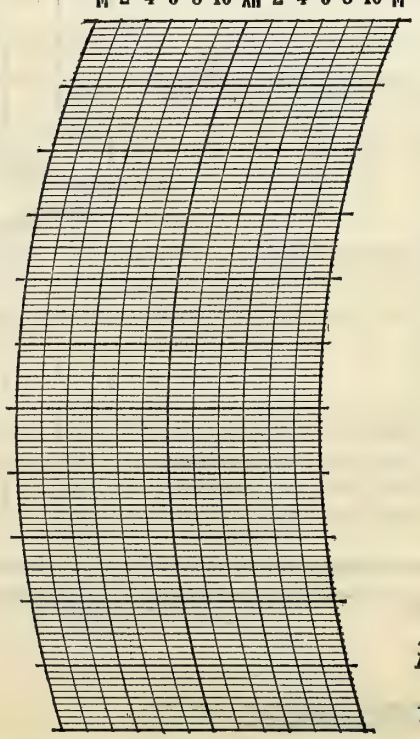
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 81.0 Wet temperature, 69.0
Dew-point, 63 R. humidity, 54 V. pressure, .525
Clouds: Amount, 0; Kind, 0; Direction, 0
Velocity of clouds (miles per hour) ____

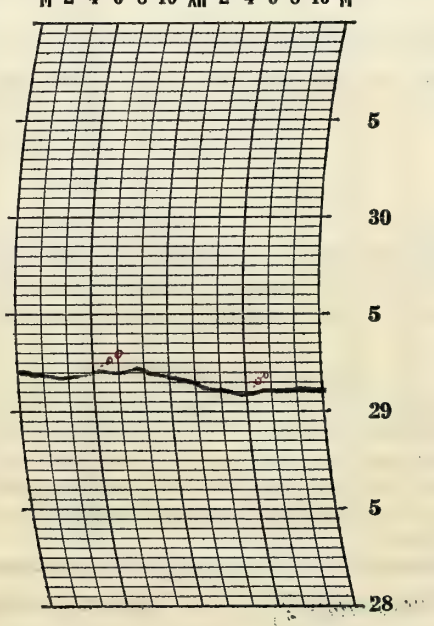
THERMOGRAPH




THERMOGRAPH




BAROGRAPH.




Prepared by L. C. S.

Verified by ____

8—486

## NOTES

Thunder was first heard at 4:50 a.m. and last heard at 6:30 a.m. It was moderate for the most part, with occasionally a loud crash of thunder. One house reported struck with slight damage. Hail is reported from some parts of city.

Flying conditions were excellent after the shower.

Form No. 1014—Met'l

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(Station) Fort Wayne Ind., (Day of week) Wednesday, (Date) SEP 6 1933, 193

Time (local standard) 90 mer. normal time.

| | A.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 | P.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Temperature at end of hour (71) | 70 | 69 | 69 | 68 | 67 | 67 | 70 | 75 | 79 | 83 | 85 | 87 | 88 | 89 | 89 | 90 | 88 | 85 | 82 | 78 | 76 | 75 | 74 | 73 |
| State of weather. Nature of precipitation and time of beginning and ending | | | | | | | | | | | | | | | | | | | | | | | | |
| Amounts of precipitation | | | | | | | | | | | | | | | | | | | | | | | | |
| Cloudiness and other conditions | | | | | | ← Clear → | | | | | | Cu | | | | | | | Ci Cu & Cu | | | | | |
| Sunrise: Time, Character, 5:12 Clear. Moonrise: | | | | | | | | | | | | | | | | | | | | | Sunset: Time, Character, 6:06 Clear. Moonset: | | | |
| Sunshine (in tenths of hours) | | | | | | .8 0 | 1.0 0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 0.4 0.6 | 1.0 0 | .10 0 | | | | | |
| Wind direction | S | S | S | SW | SW | SW | SW | SW | SW | SW | SW | SW | SW | SW | SW | SW | SW | SW | SW | SW | SW | SW | SW | SW |
| Wind movement | 7 | 7 | 6 | 7 | 6 | 6 | 7 | 9 | 10 | 13 | 11 | 13 | 14 | 13 | 13 | 13 | 12 | 10 | 9 | 7 | 7 | 8 | 7 | 7 |
| Maximum velocities (exceeding 24 miles) direction and time | | | | | | | | | | | | | | | | | | | | | | | | |

Wind data corrected to true velocity.

| | Total duration. From— | To— | Total amount of precipitation. | Excessive rate. Began— | Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Excessive precipitation, accumulated amounts | | | | | | | | | | | | | | | | | | | | |

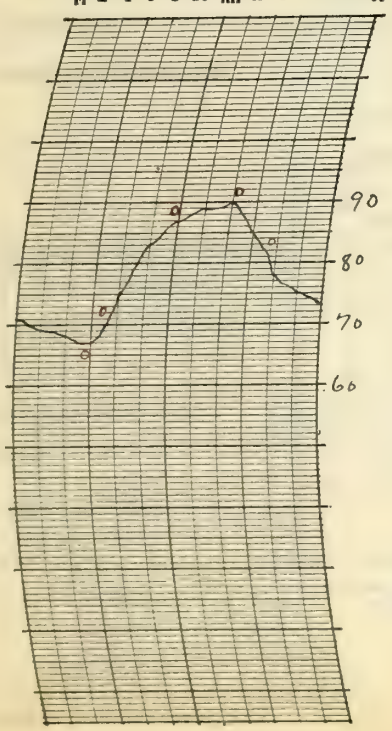
| Maximum Temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 90 | 67 | 78 | |

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Clear Moon phase,
Average daily cloudiness (0-10), 1
Actual sunshine, hours, 12.9 Possible sunshine, hours, 12.9
Per cent of possible sunshine, 100
Prevailing wind direction, SW Total wind, 222
Average hourly velocity, 9.2 Extreme velocity, 18
Maximum velocity, 17 Direction, SW
Time began, 12:27 P.m.
Reduced barometer, 30.00 7 a. m. 29.86 7 p. m.
River gage, 0.3 feet
Relative humidity, 81 7 a. m. 57 7 p. m.

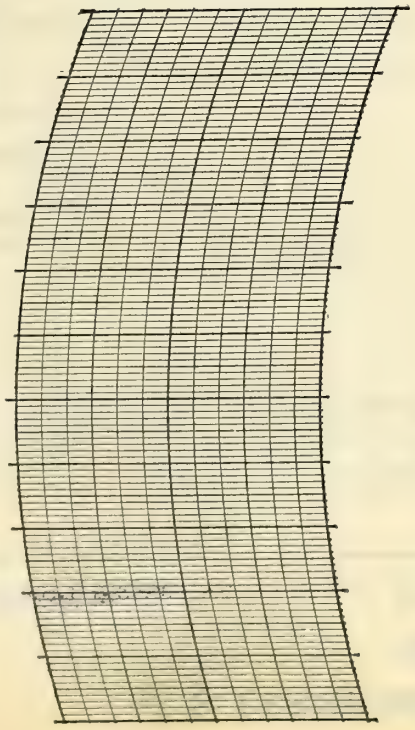
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 87.1 Wet temperature, 71.0
Dew-point, 63 R. humidity, 45 V. pressure, 29.75
Clouds: Amount, Few; Kind, Cu; Direction, W
Velocity of clouds (miles per hour)

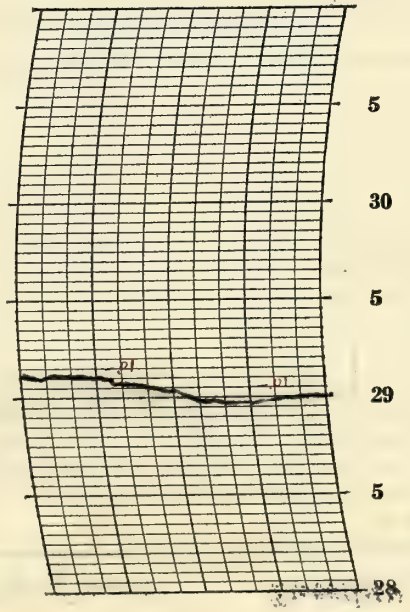
THERMOGRAPH




THERMOGRAPH




BAROGRAPH.




Prepared by R. C. S.

Verified by

8—486

## NOTES

Flying conditions excellent

Form No. 1014—Met'1

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Thursday, (Date) SEP 7 1933, 193

Time (local standard) 90 mer. normal time.

| | A.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 | P.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Temperature at end of hour (73) | 72 | 71 | 70 | 70 | 70 | 71 | 72 | 74 | 80 | 83 | 85 | 87 | 89 | 91 | 91 | 91 | 90 | 88 | 84 | 80 | 77 | 76 | 74 | 73 |
| State of weather. Nature of precipitation and time of beginning and ending | | | | | | | | | | | | | | | | | | | | | | | | |
| Amounts of precipitation | | | | | | | | | | | | | | | | | | | | | | | | |
| Cloudiness and other conditions | | | | | | ← Cloudy | — | X | — | — | — | Clear | → | | | | | | | | | | | |
| | | | | | | at 5:40 a.m. | | | | | | | | | | | | | | at 6:04 p.m. | | | | |
| Sunshine (in tenths of hours) | | | | | | 0 | 0 | 0.4 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 0.7 | 1.0 | .07 | | | | | |
| | | | | | | | | 0.4 | | | | | | | | | 0.3 | 0 | 0 | | | | | |
| Wind direction | SW | SW | SW | SW | W | W | W | W | NW | NE | E | NE | NE | NE | NE | NE | E | E | E | E | NE | E | E | E |
| Wind movement | 7 | 7 | 8 | 6 | 5 | 3 | 5 | 2 | 3 | 6 | 7 | 6 | 7 | 8 | 7 | 7 | 6 | 5 | 7 | 6 | 6 | 6 | 5 | 5 |
| Maximum velocities (exceeding 24 miles) direction and time | | | | | | | | | | | | | | | | | | | | | | | | |

Sunrise: Time, 5:13 Character, Cloudy (until 7:12)
Moonrise:
Sunset: Time, 6:04 Character, Clear
Moonset:

Wind data corrected to true velocity.

| Total duration. From— | To— | Total amount of precipitation. | Excessive rate. Began— | Ended— | Amount before excessive began. |
|---|---|---|---|---|---|
| | | | | | |

Accumulated depths during excessive rate, for consecutive periods of time indicated below.

| 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | |

Excessive precipitation, accumulated amounts

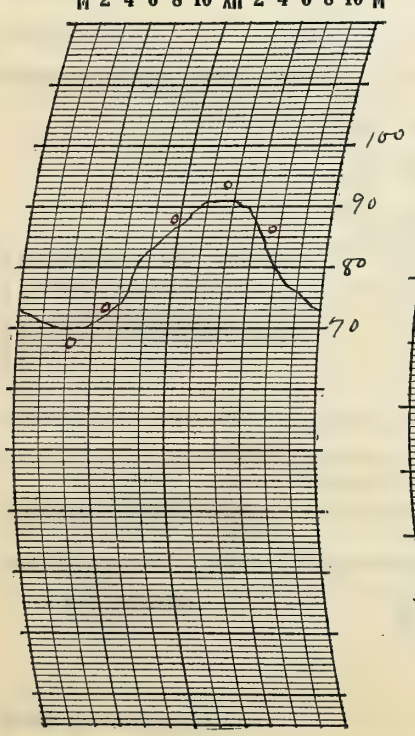
| Maximum Temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 91 | 70 | 80 | |

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, P+ Cloudy Moon phase,
Average daily cloudiness (0-10), 4
Actual sunshine, hours, 10.9 Possible sunshine, hours, 12.8
Per cent of possible sunshine, 85
Prevailing wind direction, E Total wind, 140
Average hourly velocity, 5.8 Extreme velocity, 9
Maximum velocity, 9 Direction, NE
Time began, 1:32 P.M.
Reduced barometer, 29.94 7 a. m. 29.94 7 p. m.
River gage, 0.2 feet
Relative humidity, 79 7 a. m. 56 7 p. m.

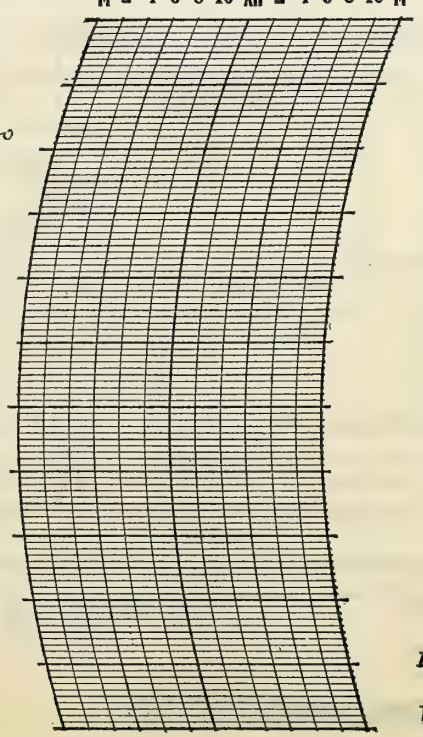
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 87.1 Wet temperature, 71.1
Dew-point, 63 R. humidity, 46 V. pressure, .575
Clouds: Amount, 0; Kind, 0; Direction, 0
Velocity of clouds (miles per hour)

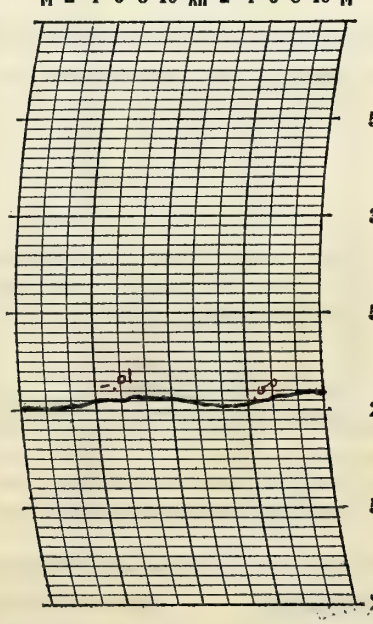
THERMOGRAPH




THERMOGRAPH




BAROGRAPH.




Prepared by R.C.S.
Verified by

8—486

## NOTES

Day was very sultry. Flying conditions good.

Form No. 1014—Met'1

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(Station) Fort Wayne Ind, (Day of week) Friday, (Date) SEP 8 1933, 193

Time (local standard) 90 mer. normal time.

| | A.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 | P.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Temperature at end of hour (73) | 72 | 71 | 70 | 68 | 68 | 69 | 73 | 79 | 85 | 88 | 90 | 92 | 93 | 94 95 | 94 | 93 | 92 | 89 | 85 | 82 | 80 | 78 | 76 | 75 |
| State of weather: Nature of precipitation and time of beginning and ending | | | | | | | | | | | | | | | | | | | | | | | | |
| Amounts of precipitation | | | | | | | | | | | | | | | | | | | | | | | | |
| Cloudiness and other conditions | | | | | | ← Clear | | | | | | | | | | | | | | | | | | → |
| Sunshine (in tenths of hours) | | | | | | .7 0 | 1.0 0 | 0.1 0.9 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 0.3 0.7 | 1.0 0 | .05 0 | | | | | |
| Wind direction | E | E | E | E | E | E | E | SW | W | W | W | W | SW | SW | SW | SW | S | SW | S | SW | SW | SW | SW | SW |
| Wind movement | 3 | 5 | 4 | 5 | 6 | 7 | 6 | 8 | 9 | 9 | 9 | 8 | 9 | 8 | 9 | 10 | 11 | 9 | 8 | 7 | 6 | 7 | 9 | 7 |
| Maximum velocities (exceeding 24 miles) direction and time | | | | | | | | | | | | | | | | | | | | | | | | |

Sunrise: Time, 5:14 Character, Clear. Moonrise: ____ ____

Sunset: Time, 6:03 Character, Clear. Moonset: ____ ____

Wind data corrected to true velocity.

| Total duration. From— | To— | Total amount of precipitation. | Excessive rate. Began— | Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | | | | | |

Excessive precipitation, accumulated amounts

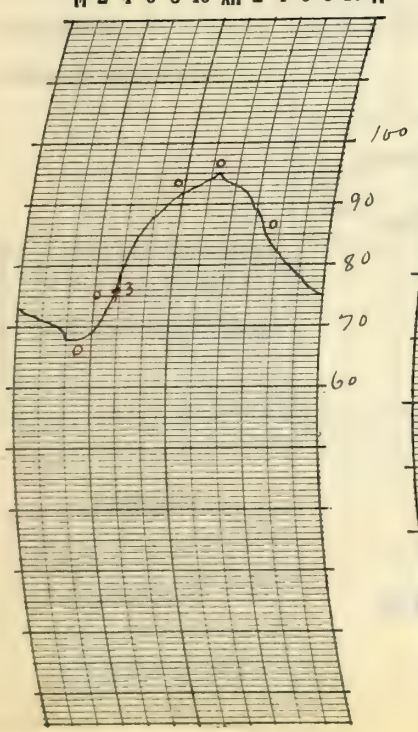
| Maximum Temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 95 | 68 | 82 | |

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Clear Moon phase, ____
Average daily cloudiness (0-10), 0
Actual sunshine, hours, 12.8 Possible sunshine, hours, 12.8
Per cent of possible sunshine, 100
Prevailing wind direction, SW Total wind, 179
Average hourly velocity, 7.5 Extreme velocity, 13
Maximum velocity, 13 Direction, SW
Time began, 4:29 P.M.
Reduced barometer, 30.03 7 a. m. 29.94 7 p. m.
River gage, -0.1 feet
Relative humidity, 76 7 a. m. 49 7 p. m.

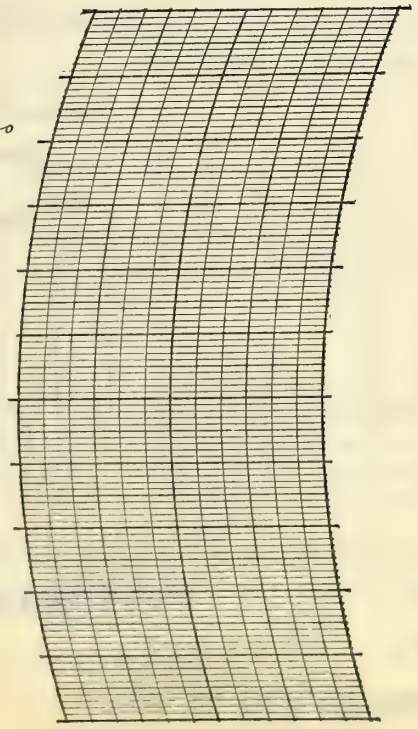
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 91.9 Wet temperature, 70.9
Dew-point, 61 R. humidity, 35 V. pressure, .536
Clouds: Amount, 0; Kind, 0; Direction, 0
Velocity of clouds (miles per hour) ____

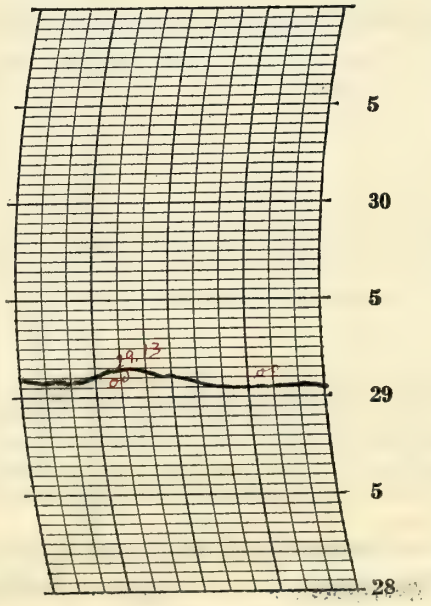
THERMOGRAPH




THERMOGRAPH




BAROGRAPH.




Prepared by R. C. S.

Verified by ____

8—486

## NOTES

A very sultry day. Flying conditions excellent

Form No. 1014—Met'1

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Saturday, (Date) SEP 9 1933, 193

Time (local standard) 90 mer. normal time.

| | A.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 | P.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Temperature at end of hour (75) | 74 | 72 | 70 | 70 | 69 | 68 | 71 | 78 | 82 | 87 | 89 | 91 | 94 (95) | 94 | 93 | 91 | 89 | 85 | 82 | 80 | 78 | 74 | 71 | 69 |
| State of weather: Nature of precipitation and time of beginning and ending | | | | | | | | | | | | Clear | | | | | | | | | | | | |
| Amounts of precipitation | | | | | | | | | | | | | | | | | | | | | | | | |
| Cloudiness and other conditions | | | | | | | ast | | | | | Cir | | | | | | | | | | | | |
| Sunshine (in tenths of hours) | | | | | | .75 0 | 0.9 0.1 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 0.9 | 1.0 | 0.4 0.6 | 1.0 0 | .02 0 | | | | | |
| Wind direction | SW | SW | SW | SW | SW | SW | SW | W | W | W | W | W | W | NW | NW | NW | NW | NW | NW | NW | NW | NW | NW | NW |
| Wind movement | 6 | 8 | 8 | 9 | 9 | 9 | 8 | 9 | 12 | 12 | 13 | 14 | 15 | 16 | 15 | 16 | 13 | 11 | 9 | 6 | 8 | 8 | 8 | 7 |
| Maximum velocities (exceeding 24 miles) direction and time | | | | | | | | | | | | | | | | | | | | | | | | |

Sunrise: Time, 5:15 Character, Clear. Moonrise: ____

Sunset: Time, 6:01 Character, Clear. Moonset: ____

Wind data corrected to true velocity.

| Excessive precipitation, accumulated amounts | Total duration From— | To— | Total amount of precipitation | Excessive rate Began— | Ended— | Amount before excessive began | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | | | | | | |

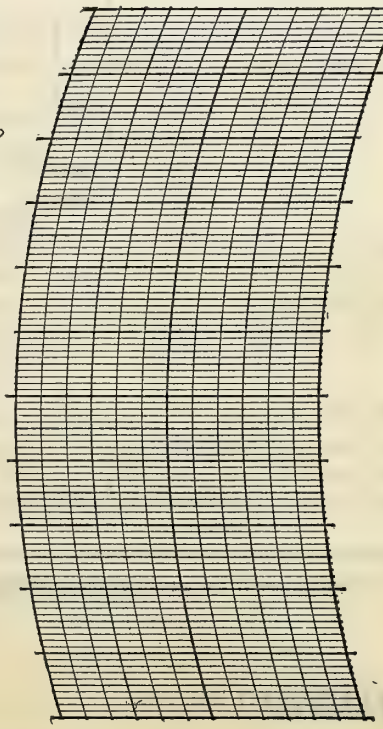
| | Maximum Temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|---|
| | 95 | 68 | 82 | |

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Clear Moon phase, ____
Average daily cloudiness (0-10), 1
Actual sunshine, hours, 12.7 Possible sunshine, hours, 12.8
Per cent of possible sunshine, 99
Prevailing wind direction, NW Total wind, 249
Average hourly velocity, 10.4 Extreme velocity, 21
Maximum velocity, 21 Direction, W
Time began, 1:11 P.m.
Reduced barometer, 29.92 7 a. m. 29.82 7 p. m.
River gage, -0.1 feet
Relative humidity, 77 7 a. m. 60 7 p. m.

OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 91.0 Wet temperature, 72.0
Dew-point, 63 R. humidity, 40 V. pressure, .575
Clouds: Amount, 3; Kind, Cir Cu; Direction, W
Velocity of clouds (miles per hour) ____

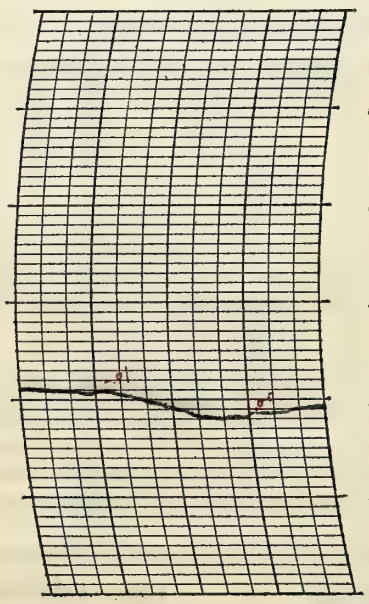
THERMOGRAPH
M 2 4 6 8 10 XII 2 4 6 8 10 M
100 90 80 70 60



THERMOGRAPH
M 2 4 6 8 10 XII 2 4 6 8 10 M



BAROGRAPH.
M 2 4 6 8 10 XII 2 4 6 8 10 M
5 30 5 29 5 28



Prepared by L.C.S.
Verified by W.

8—486

## NOTES

Flying conditions excellent all day. No heat prostrations have been reported in this immediate vicinity although the temperature has been very high

Form No. 1014—Met'l

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Sunday, (Date) SEP 10 1933, 193

| Time (local standard) 90 mer. normal time. | A.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 | P.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Temperature at end of hour | 69 68 | 67 | 66 | 64 | 64 | 64 | 66 | 67 | 69 | 73 | 76 | 77 | 79 80 | 79 | 79 | 78 | 77 | 76 | 76 | 74 | 74 | 73 | 72 | 71 |
| State of weather. Nature of precipitation and time of beginning and ending | | | | | | | | | | | | | | | | | | | | | R 8:35 R 8:50 * | | | |
| Amounts of precipitation | | | | | | | | | | | | | | | | | | | | | T | | | |
| Cloudiness and other conditions | | | | | Pt Cldy | | | | | | | Cloudy | | | | | | | | | | | | |
| | | | | | | | cu st fra cu | | | | | cu st fra cu | | | | | | st cu | | | | | | |
| Sunrise: Time, Character, 5:16 A Cloudy Moonrise: | | | | | | | | | | | | | | | | | | | | | Sunset: Time, Character, 5:59 Cloudy Moonset: | | | |
| Sunshine (in tenths of hours) | | | | | | 0 | 0 | 0 | 0 | 0.7 | 1.0 | 0.8 | 0.9 | 0.4 | 0 | 0 | 0 | 0 | | | | | | |
| Wind direction | NW | NW | NW | NW | NW | NW | NW | NW | N | N | N | NW | N | N | NE | N | N | N | N | NE | N | N | NW | N |
| Wind movement | 5 | 4 | 4 | 5 | 3 | 3 | 4 | 4 | 6 | 4 | 4 | 5 | 6 | 6 | 7 | 6 | 6 | 4 | 3 | 4 | 4 | 3 | 4 | 3 |
| Maximum velocities (exceeding 24 miles) direction and time | | | | | | | | | | | | | | | | | | | | | | | | |

Wind data corrected to true velocity.

Excessive precipitation, accumulated amounts

| Total duration. From— | To— | Total amount of precipitation. | Excessive rate. Began— | Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | | | | | |

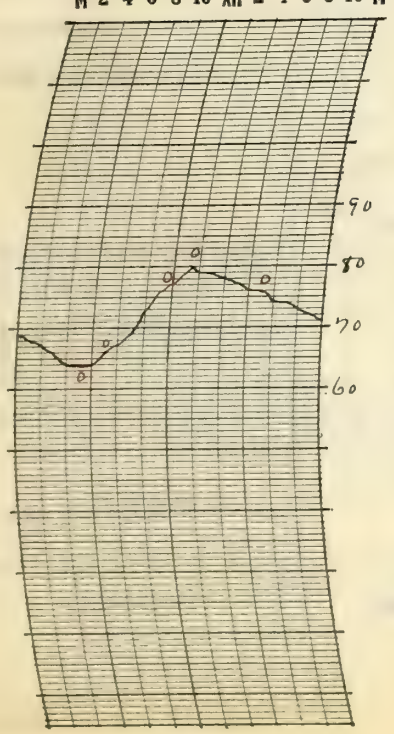
| Maximum Temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 80 | 64 | 72 | |

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, T inches.
Character of day, Cloudy Moon phase,
Average daily cloudiness (0-10), 9
Actual sunshine, hours, 3.8 Possible sunshine, hours, 12.7
Per cent of possible sunshine, 30
Prevailing wind direction, N Total wind, 107
Average hourly velocity, 4.5 Extreme velocity, 8
Maximum velocity, 8 Direction, NE
Time began, 2:25 P.M.
Reduced barometer, 29.88 7 a. m. 29.82 7 p. m.
River gage, -0.2 feet
Relative humidity, 85 7 a. m. 45 7 p. m.

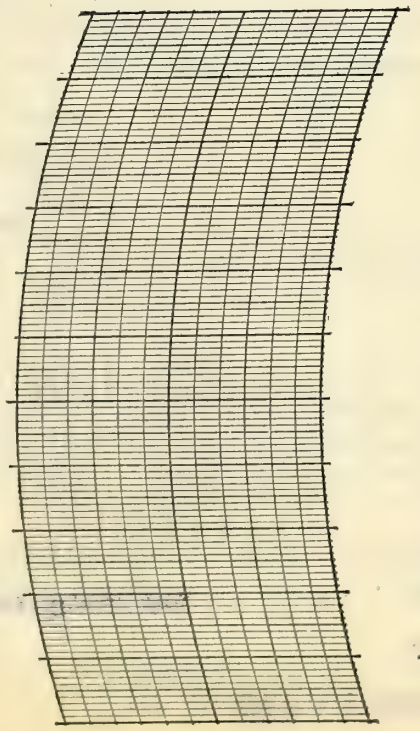
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 77.0 Wet temperature, 65.9
Dew-point, 60 R. humidity, 56 V. pressure, .517
Clouds: Amount, 2 ; Kind, acu ; Direction, W
Velocity of clouds (miles per hour)

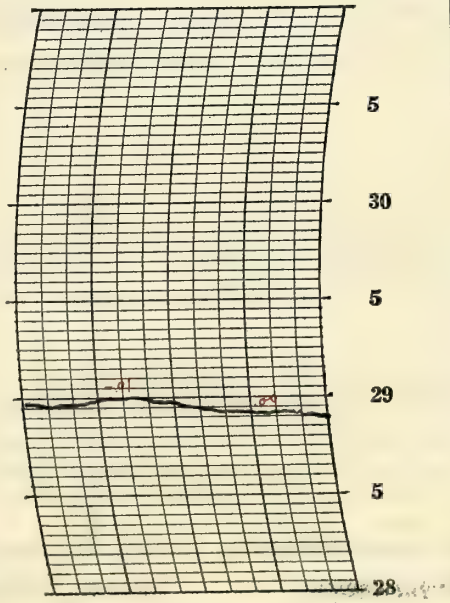
THERMOGRAPH




THERMOGRAPH




BAROGRAPH.




Prepared by L. C. S.

Verified by

8—486

## NOTES

Flying conditions excellent. High overcast all day.

* Very light sprinkle

Form No. 1014—Met'l

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Monday, (Date) SEP 11 1933, 193

Time (local standard) 90 mer. normal time.

| | A.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 | P.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Temperature at end of hour (71) | 69 | 68 | 66 | 63 | 61 | 61 | 62 | 63 | 65 | 69 | 70 | 70 | 69 | 64 | 64 | 61 | 61 | 60 | 60 | 59 | 58 | 58 | 58 | 58 |
| State of weather: Nature of precipitation and time of beginning and ending | | | RB DNA | | | RE 6:00 | | | | | | | | | RB 2:00 | | | | | | | | * (1) | R cntd * (1) |
| Amounts of precipitation | | | T | .09 | .07 | T | | | | | | | | | T | .07 | .02 | .01 | .01 | T | .03 | .01 | .40 | 41 |
| Cloudiness and other conditions | | | | | | | | | | | | Cloudy | | | | | | | | | | | | |
| | Sunrise: Time, 5:17 Character, Cloudy Moonrise: | | | | | | St | | | | | St Cu | | | | | | | St | | Sunset: Time, 5:57 Character, Cloudy Moonset: | | | |
| Sunshine (in tenths of hours) | | | | | | 0 | 0 | 0 | 0.1 | 1.0 | 0.8 | 0.3 | 0.3 | 0 | 0 | 0 | 0 | 0 | | | | | | |
| Wind direction | N | NE | N | N | NE | NE | NE | NE | NE | E | NE | NE | NE | NE | NE | NE | NE | NE | NE | NE | NE | NE | NE | NE |
| Wind movement | 2 | 3 | 2 | 7 | 6 | 7 | 7 | 9 | 9 | 9 | 7 | 9 | 10 | 12 | 12 | 12 | 10 | 9 | 10 | 12 | 10 | 9 | 9 | 9 |
| Maximum velocities (exceeding 24 miles) direction and time | | | | | | | | | | | | | | | | | | | | | | | | |

Wind data corrected to true velocity.

| | Total duration. From— | To— | Total amount of precipitation. | Excessive rate. Began— | Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Excessive precipitation, accumulated amounts | | | | | | | | | | | | | | | | | | | | |

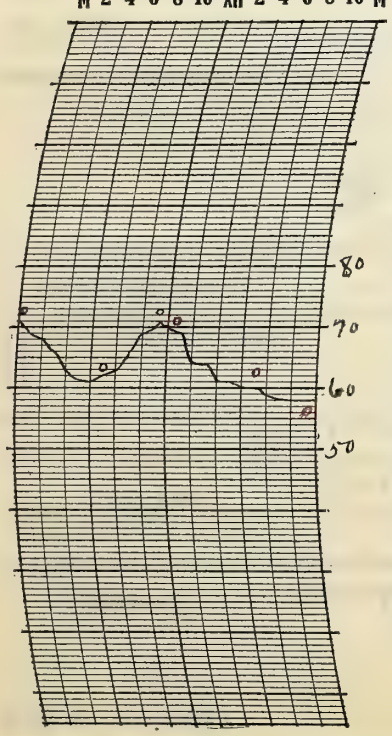
| Maximum Temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 71 | 58 | 64 | |

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0.16 ins.; to 7 p. m., 0.11 ins.
Total precipitation, midnight to midnight, 1.12 inches.
Character of day, Cloudy Moon phase,
Average daily cloudiness (0-10), 10
Actual sunshine, hours, 2.5 Possible sunshine, hours, 12.7
Per cent of possible sunshine, 20
Prevailing wind direction, NE Total wind, 201
Average hourly velocity, 8.4 Extreme velocity, 16
Maximum velocity, 15 Direction, NE
Time began, 3:59 pm.
Reduced barometer, 29.79 7 a. m. 29.81 7 p. m.
River gage, —0.2 feet
Relative humidity, 92 7 a. m. 92 7 p. m.

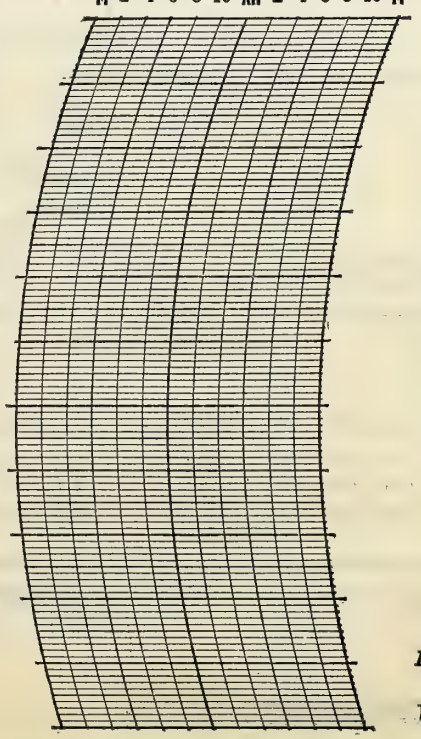
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 70.0 Wet temperature, 65.0
Dew-point, 62 R. humidity, 77 V. pressure, .553
Clouds: Amount, 10; Kind, St Cu; Direction, NE
Velocity of clouds (miles per hour)

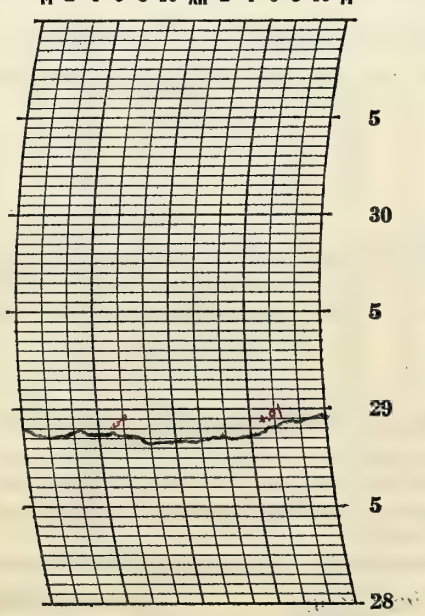
THERMOGRAPH




THERMOGRAPH




BAROGRAPH.




Prepared by L. C. S.

Verified by

8—486

## NOTES

Flying conditions were fair. Light haze all day. Thunder was first heard at 8:50 P.M. and believed to have last occurred P.N.P. Was light in character and no damage has been reported.

* Numbers in parenthesis hundredths added to automatic record

Form No. 1014—Met'1

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(Station) Fort Wayne. Ind., (Day of week) Tuesday, (Date) SEP 19 1922, 193

Time (local standard) 90 mer. normal time.

| | A.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Temperature at end of hour | 58 | 58 | 58 | 57 | 56 | 57 | 57 | 58 | 60 | 64 | 66 | 67 |
| State of weather. Nature of precipitation and time of beginning and ending | R cntd * (1) | | | RE DNR, | | | | | | | | |
| Amounts of precipitation | .21 | .01 | .01 | .01 | | | | | | | | |
| Cloudiness and other conditions | | | | | | ← Cloudy | | | | → x Pt Cloudy | | |
| | Sunrise: Time, 5:19 Character, Cloudy Moonrise: | | | | | | St | | | | Cu Fa St | |
| Sunshine (in tenths of hours) | | | | | | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Wind direction | NE | NE | NE | NE | NE | NE | NE | NE | NE | NE | E | E |
| Wind movement | 9 | 10 | 9 | 9 | 9 | 9 | 10 | 10 | 10 | 9 | 10 | 10 |
| Maximum velocities (exceeding 24 miles) direction and time | | | | | | | | | | | | |

| | P.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Temperature at end of hour | 69 | 69 | 70 | 69 | 68 | 67 | 66 | 65 | 64 | 63 | 62 | 60 |
| State of weather. Nature of precipitation and time of beginning and ending | | | | | | | | | | | | |
| Amounts of precipitation | | | | | | | | | | | | |
| Cloudiness and other conditions | x | | | Cloudy | | | | | x Clear → | | | |
| | | | | | | | St | | Sunset: Time, 5:56 Character, Cloudy Moonset: | | | |
| Sunshine (in tenths of hours) | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | |
| Wind direction | NE | NE | NE | NE | NE | NE | NE | NE | NE | NE | NE | E |
| Wind movement | 9 | 9 | 10 | 9 | 9 | 9 | 8 | 7 | 9 | 9 | 7 | 6 |
| Maximum velocities (exceeding 24 miles) direction and time | | | | | | | | | | | | |

Wind data corrected to true velocity.

Excessive precipitation, accumulated amounts

| Total duration. From— | To— | Total amount of precipitation. | Excessive rate. Began— | Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | | | | | |

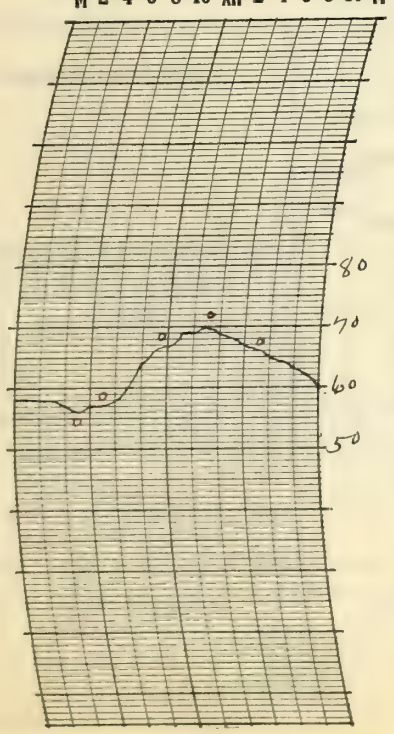
| | Maximum Temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|---|
| | 70 | 56 | 63 | |

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 1.09 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0.24 inches.
Character of day, Cloudy Moon phase,
Average daily cloudiness (0-10), 9
Actual sunshine, hours, 0 Possible sunshine, hours, 12.6
Per cent of possible sunshine, 0
Prevailing wind direction, NE Total wind, 215
Average hourly velocity, 9.0 Extreme velocity, 15
Maximum velocity, 15 Direction, E
Time began, 11:28 a.m
Reduced barometer, 29.98 7 a. m. 30.04 7 p. m.
River gage, 0.6 feet
Relative humidity, 79 7 a. m. 60 7 p. m.

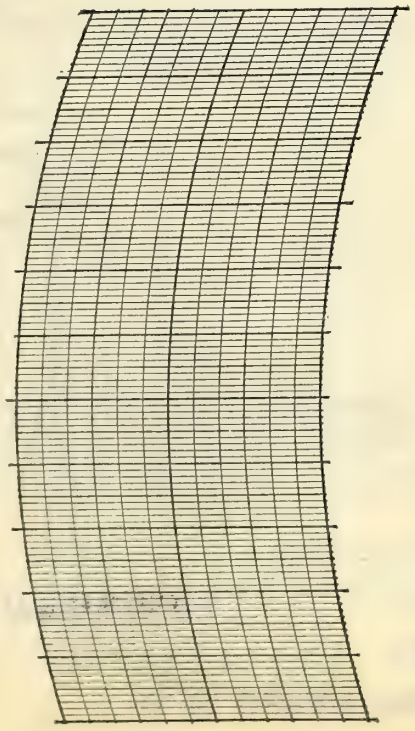
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 67.0 Wet temperature, 59.0
Dew-point, 54 R. humidity, 62 V. pressure, .417
Clouds: Amount, 2/5 ; Kind, Cu Cu / a St ; Direction, NW
Velocity of clouds (miles per hour)

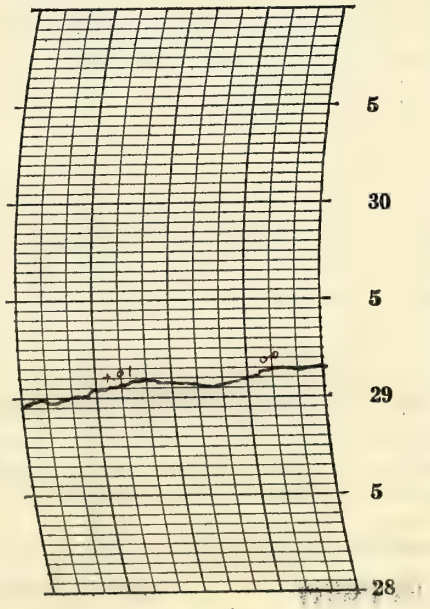
THERMOGRAPH




THERMOGRAPH




BAROGRAPH.




Prepared by L. C. S.

Verified by

8—486

## NOTES

* Numbers in parenthesis hundredths added to automatic record

Flying conditions excellent

Form No. 1014—Met'1

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Wednesday, (Date) SEP 13 1933, 193

Time (local standard) 90 mer. normal time.

| | A.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 | P.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Temperature at end of hour (60) | 60 | 60 | 59 | 59 | 58 | 54 | 55 | 57 | 60 | 62 | 64 | 65 | 65 | 65 | 67 | 66 | 66 | 65 | 65 | 63 | 62 | 62 | 62 | 62 |
| State of weather: Nature of precipitation and time of beginning and ending | | | | | | RB DNH | RE 6:38A | | | | | | RB 12:20 | RE 1:35 | | | | | | RB 7:30 RE 8:00 | | | | RB DNP |
| Amounts of precipitation | | | | | | 0.21 | .03 | | | | | | T | T | | | | | | .01 | | | | T |
| Cloudiness and other conditions | | | | | | ← | | | | | | Cloudy | → | | | | | | | | | | ← | |
| | | | | | | | St | | | | | St | | | | | | | St | | | | | |
| Sunshine (in tenths of hours) | | | | | | 0 | 0 | 0 | 0.3 | 0 | 0 | 0 | 0 | 0 | 0.1 | 0 | 0 | 0 | | | | | | |
| Wind direction | NE | NE | NE | NE | E | E | NE | NE | NE | NE | E | E | NE | NE | NE | E | E | E | E | E | NE | NE | NE | NE |
| Wind movement | 9 | 8 | 8 | 9 | 8 | 10 | 10 | 10 | 10 | 10 | 9 | 9 | 8 | 9 | 10 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 |
| Maximum velocities (exceeding 24 miles) direction and time | | | | | | | | | | | | | | | | | | | | | | | | |

Sunrise: Time, 5:20 Character, Cloudy. Moonrise:

Sunset: Time, 5:54 Character, Cloudy. Moonset:

Wind data corrected to true velocity.

| Total duration. From— | To— | Total amount of precipitation. | Excessive rate. Began— | Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | | | | | |

Excessive precipitation, accumulated amounts

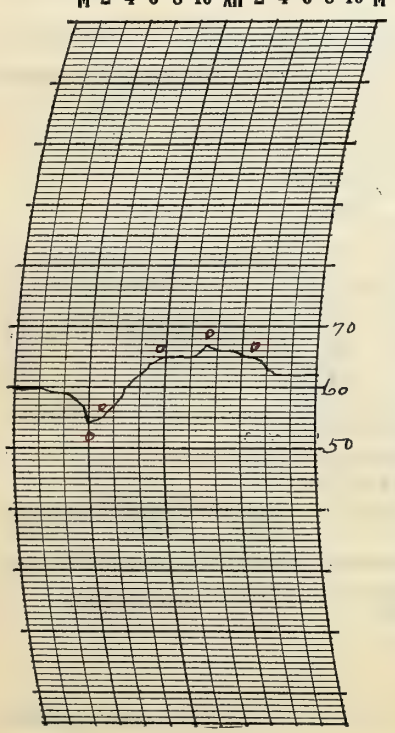
| Maximum Temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 67 | 54 | 60 | |

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0.24 ins.; to 7 p. m., T ins.
Total precipitation, midnight to midnight, 0.25 inches.
Character of day, Cloudy Moon phase,
Average daily cloudiness (0-10), 10
Actual sunshine, hours, 0.4 Possible sunshine, hours, 12.6
Per cent of possible sunshine, 3
Prevailing wind direction, NE Total wind, 217
Average hourly velocity, 9.0 Extreme velocity, 14
Maximum velocity, 13 Direction, NE
Time began, 8:41 a.m.
Reduced barometer, 30.10 7a. m. 30.03 7p. m.
River gage, 0.9 feet
Relative humidity, 94 7a. m. 78 7p. m.

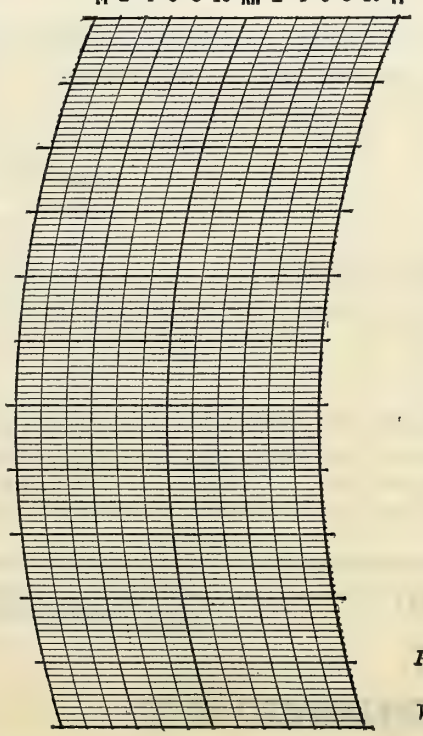
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 64.6 Wet temperature, 59.0
Dew-point, 55 R. humidity, 72 V. pressure, 432
Clouds: Amount, 10; Kind, St; Direction, E
Velocity of clouds (miles per hour)

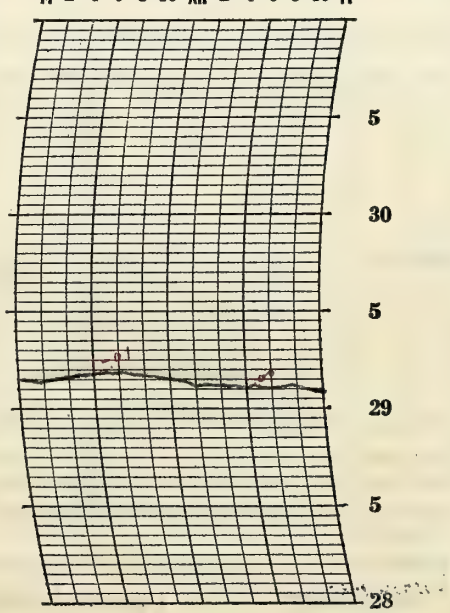
THERMOGRAPH




THERMOGRAPH




BAROGRAPH.




Prepared by L. C. S.

Verified by W.

8—486

## NOTES

Flying conditions fair. Visibility around 7 miles and ceiling 12 00 to 2000 ft.

Form No. 1014—Met'l

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) ~~Thursday~~, (Date) SEP 14 1933, 193

Time (local standard) 90 mer. normal time.

| | A.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 | P.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Temperature at end of hour 62 | 60 | 58 | 58 | 56 | 55 | 54 | 54 | 55 | 56 | 56 | 57 | 57 | 57 | 57 | 57 | 58 | 59 | 59 | 59 | 59 | 59 | 59 | 59 | 59 |
| State of weather. Nature of precipitation and time of beginning and ending | R ended | | | | | | RE 6:38A | RB 7:01 | Lt | mist | | | | RL 1:35 | | | | | | | | | | |
| Amounts of precipitation | .15 | .05 | .02 | .06 | .05 | .03 | T | T | T | T | T | T | T | T | | | | | | | | | | |
| Cloudiness and other conditions | | | | | ← | | | ← | | | | Cloudy | | ← | | | | | | → | | | | |
| | Sunrise: Time, 5:21 Character, Cloudy Moonrise: | | | | | | | | | | | | | | | | | | | | Sunset: Time, 5:52 Character, Cloudy Moonset: | | | |
| | | | | | | | St | | | | | St | | | | | | St | | | | | | |
| Sunshine (in tenths of hours) | | | | | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | |
| Wind direction | NE | NE | NE | NE | NE | NE | NE | NE | NE | NE | NE | NE | NE | NE | NE | NE | NE | NE | NE | NE | NE | NE | NE | NE |
| Wind movement | 8 | 9 | 11 | 13 | 13 | 11 | 12 | 12 | 11 | 11 | 11 | 11 | 12 | 12 | 12 | 12 | 10 | 12 | 9 | 9 | 9 | 9 | 9 | 9 |
| Maximum velocities (exceeding 24 miles) direction and time | | | | | | | | | | | | | | | | | | | | | | | | |

| Wind data corrected to true velocity. | Total duration. From— | To— | Total amount of precipitation. | Excessive rate. Began— | Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Excessive precipitation, accumulated amounts | | | | | | | | | | | | | | | | | | | | |

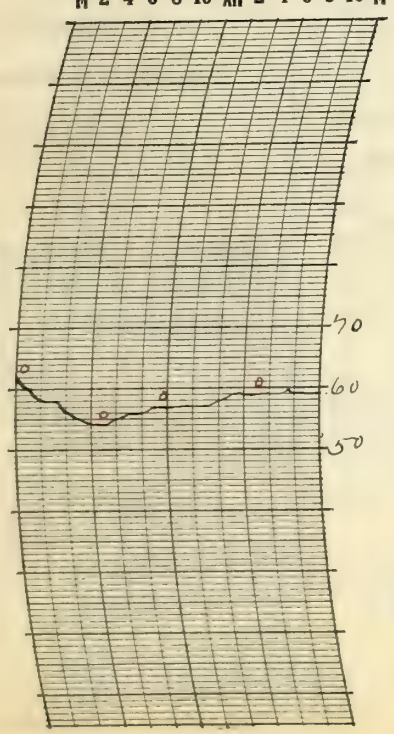
| Maximum Temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 62 | 54 | 58 | |

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0.37 ins.; to 7 p. m., T ins.
Total precipitation, midnight to midnight, 0.36 inches.
Character of day, Cloudy Moon phase,
Average daily cloudiness (0-10), 10
Actual sunshine, hours, 0 Possible sunshine, hours, 12.5
Per cent of possible sunshine, 0
Prevailing wind direction, NE Total wind, 257
Average hourly velocity, 10.7 Extreme velocity, 16
Maximum velocity, 15 Direction, NE
Time began, 4:48 a.m.
Reduced barometer, 30.05 7 a. m. 30.08 7 p. m.
River gage, 1.3 feet
Relative humidity, 93 7 a. m. 83 7 p. m.

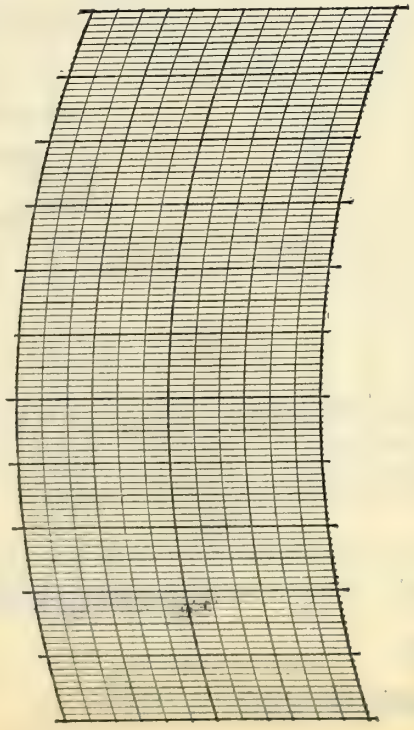
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 57.0 Wet temperature, 56.0
Dew-point, 55 R. humidity, 94 V. pressure, .432
Clouds: Amount, 10/10; Kind, St Fog; Direction, NE
Velocity of clouds (miles per hour)

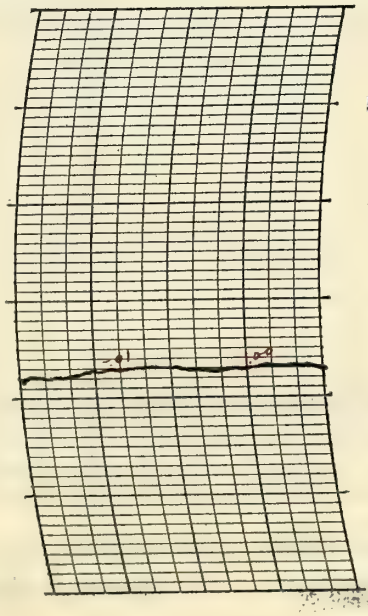
THERMOGRAPH




THERMOGRAPH




BAROGRAPH.




Prepared by L. C. S.

Verified by

8—486

## NOTES

Flying Conditions poor. Light fog all day Ceiling around 500 ft and Visibility around 2 to 5 miles

Form No. 1014—Met'l

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Friday, (Date) SEP 15 1933, 193

Time (local standard) 90 mer. normal time.

| | A.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 | P.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Temperature at end of hour (59) | 59 | 58 | 58 | 58 | 57 | 58 | 58 | 59 | 60 | 62 | 63 | 63 | 64 | 64 | 65 | 65 | 65 | 64 | 64 | 62 | 61 | 61 | 60 | 60 |
| State of weather. Nature of precipitation and time of beginning and ending | | | | | | | | | | | | | | | | | | | RB 6:15 RE 6:20 | | | | | |
| Amounts of precipitation | | | | | | | | | | | | | | | | | | | T | | | | | |
| Cloudiness and other conditions | | | | | ← | | | | | | | Cloudy | → | | | | | | | | | | | |
| | Sunrise: Time, 5:21 Character, Cloudy Moonrise: | | | | | | St | | | | | St | | | | | | | St | | Sunset: Time, 5:51 Character, Cloudy Moonset: | | | |
| Sunshine (in tenths of hours) | | | | | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | |
| Wind direction | NE | NE | NE | NE | NE | NE | NE | E | NE | NE | E | NE | NE | NE | NE | NE | E | NE | E | E | NE | E | E | E |
| Wind movement | 9 | 9 | 8 | 9 | 9 | 9 | 9 | 7 | 7 | 7 | 7 | 8 | 9 | 9 | 8 | 8 | 6 | 7 | 8 | 7 | 7 | 7 | 7 | 5 |
| Maximum velocities (exceeding 24 miles) direction and time | | | | | | | | | | | | | | | | | | | | | | | | |

Wind data corrected to true velocity.

| Excessive precipitation, accumulated amounts | Total duration. From— | To— | Total amount of precipitation. | Excessive rate. Began— | Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | | | | | | |

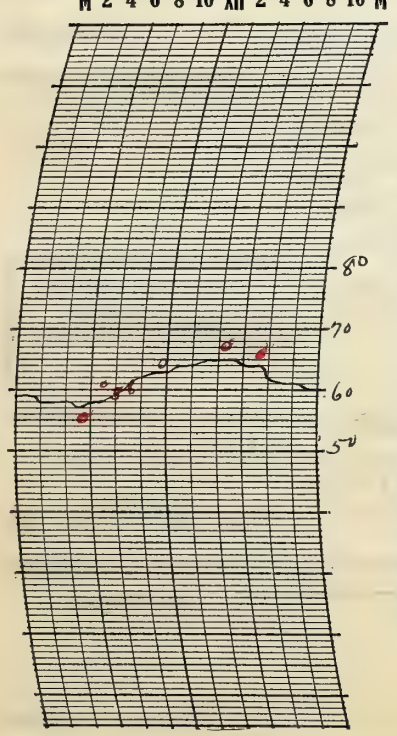
| Maximum Temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 65 | 57 | 61 | |

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., T ins.
Total precipitation, midnight to midnight, T inches.
Character of day, Cloudy Moon phase,
Average daily cloudiness (0-10), 10
Actual sunshine, hours, 0 Possible sunshine, hours, 12.5
Per cent of possible sunshine, 0
Prevailing wind direction, NE Total wind, 186
Average hourly velocity, 7.8 Extreme velocity, 11
Maximum velocity, 11 Direction, NE
Time began, 6:14 a.m.
Reduced barometer, 30.06 7 a. m. 30.00 7 p. m.
River gage, 0.9 feet
Relative humidity, 89 7 a. m. 88 7 p. m.

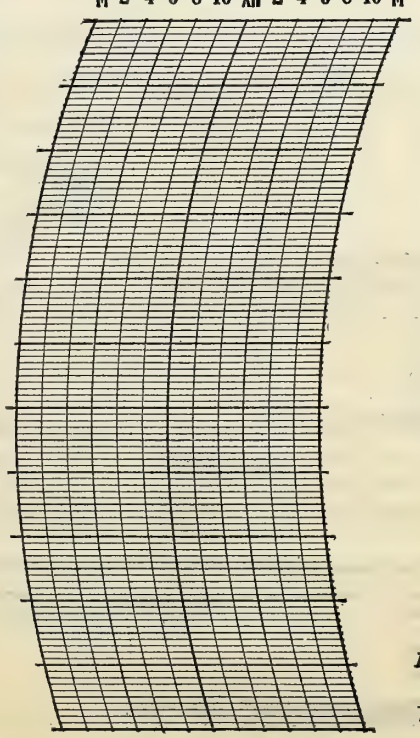
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 63.2 Wet temperature, 61.0
Dew-point, 60 R. humidity, 89 V. pressure, .517
Clouds: Amount, 10; Kind, St; Direction, E
Velocity of clouds (miles per hour)

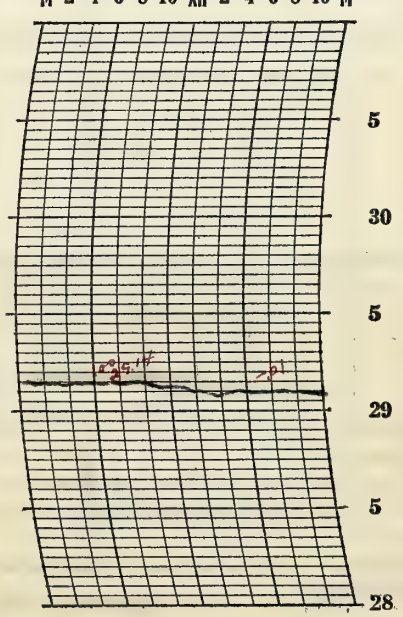
THERMOGRAPH




THERMOGRAPH




BAROGRAPH.




Prepared by L.C.S.

Verified by O.W.

8—486

## NOTES

Flying conditions good. Light haze all day. Ceiling from 900 to 1500 ft and visibility around 5 miles.

Form No. 1014—Met'l

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(Station) Fort Wayne. Ind., (Day of week) Saturday, (Date) SEP 16 1933, 193

Time (local standard) 90 mer. normal time.

| | A.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 | P.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Temperature at end of hour (60) | 60 | 60 | 60 | 60 | 60 | 61 | 62 | 63 | 66 | 70 | 76 | 79 | 81 | 83 | 84 | 83 | 82 | 74 | 72 | 69 | 68 | 69 | 69 | 69 |
| State of weather. Nature of precipitation and time of beginning and ending | | RB DNA RE DNA | | | | | | | | | | | | | | | | RB 5:40 | | | RE 8:45 | | | |
| Amounts of precipitation | | T | | | | | | | | | | | | | | | | 0.24 | 0.44 | .01 | .01 | | | |
| Cloudiness and other conditions | | T | | | | Rain | | Cloudy | | Clear | | | | | | P+Cloudy | | Cloudy | | | | | | |
| Sunrise: Time, Character, 5:22 Cloudy. Moonrise: | | | | | | | St | | | | Cu | | | | | | | | Nb | | | | | |
| Sunset: Time, Character, 5:49 Cloudy. Moonset: | | | | | | | | | | | | | | | | | | | | | | | | |
| Sunshine (in tenths of hours) | | | | | | 0 | 0 | 0 | 0 | 0.5 | 1.0 | 1.0 | 1.0 | 1.0 | 0.9 | 1.0 | 0 | 0 | | | | | | |
| Wind direction | E | E | E | NE | E | E | E | E | SE | S | S | S | S | S | SW | S | S | SE | NW | S | S | SW | SW | SW |
| Wind movement | 4 | 5 | 5 | 5 | 4 | 3 | 3 | 6 | 6 | 6 | 7 | 9 | 11 | 12 | 12 | 13 | 11 | 9 | 6 | 5 | 5 | 6 | 6 | 5 |
| Maximum velocities (exceeding 24 miles) direction and time | | | | | | | | | | | | | | | | | | | | | | | | |

Wind data corrected to true velocity.

| | Total duration. From— | To— | Total amount of precipitation. | Excessive rate. Began— | Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Excessive precipitation, accumulated amounts | 5:40A | 8:45P | 0.70 | 5:54P | 6:17P | .03 | 0.20 | 0.30 | 0.45 | 0.51 | 0.55 | .57 | .59 | .62 | .64 | .65 | .65 | .65 | .65 | .66 |

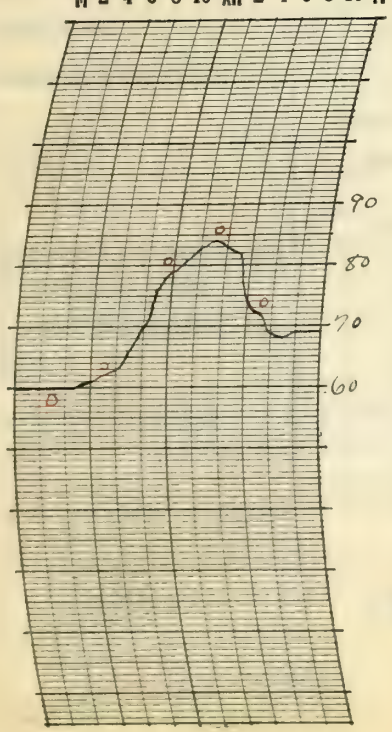
| Maximum Temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 84 | 60 | 72 | |

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., T ins.; to 7 p. m., 0.68 ins.
Total precipitation, midnight to midnight, 0.70 inches.
Character of day, P+Cloudy Moon phase,
Average daily cloudiness (0-10), 7
Actual sunshine, hours, 6.4 Possible sunshine, hours, 12.4
Per cent of possible sunshine, 52
Prevailing wind direction, S Total wind, 164
Average hourly velocity, 6.8 Extreme velocity, 17
Maximum velocity, 16 Direction, SW
Time began, 2:10 P.M.
Reduced barometer, 30.00 7a. m. 29.83 7p. m.
River gage, 0.9 feet
Relative humidity, 94 7a. m. 95 7p. m.

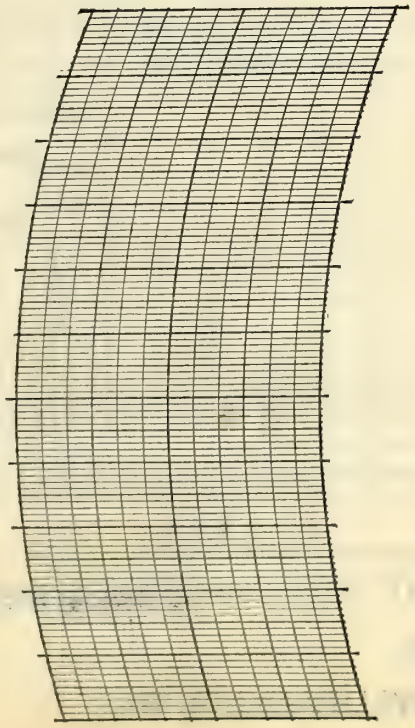
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 79.1 Wet temperature, 70.0
Dew-point, 66 R. humidity, 64 V. pressure, .638
Clouds: Amount, 1 (Ci); Kind, Cu; Direction, SW
Velocity of clouds (miles per hour)

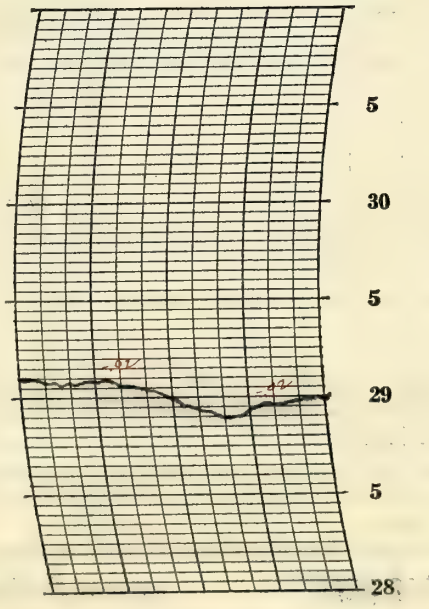
THERMOGRAPH




THERMOGRAPH




BAROGRAPH.




Prepared by L.C.J

Verified by

8—486

## NOTES

Flying conditions from 8 to 9:00 a.m. as result of light fog, from 9:00 a.m. to noon was fair when light rain prevailed. A thunderstorm also hindered flying conditions from 5:02 to 7:05 P.M. The thunder was almost continuous though only of moderate intensity. No material damage has been reported. Heavy rain filled up under elevations and street car service was temporarily interrupted until water drained away.

Form No. 1014—Met'1

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Sunday, (Date) SEP 17 1933, 193

Time (local standard) 90 mer. normal time.

| | A.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 | P.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Temperature at end of hour 69 | 68 | 66 | 65 | 64 | 62 | 60 | 61 | 67 | 74 | 77 | 79 | 81 | 83 | 84 | 84 | 84 | 81 | 76 | 74 | 71 | 68 | 66 × | 63 × | 61 × |
| State of weather. Nature of precipitation and time of beginning and ending | | | | | | | | | | | | | | | | | | | | | | | | |
| Amounts of precipitation | | | | | | | | | | | | | | | | | | | | | | | | |
| Cloudiness and other conditions | | | | | | | | | | | | Clear | | | | | | | | | | | | |
| Sunshine (in tenths of hours) | | | | | | .6 2 0 | .0 .8 0 .2 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | .0 .3 0 .7 | .7 8 0 | | | | | | |
| Wind direction | W | W | W | W | SW | SW | SW | SW | SW | W | W | W | W | W | W | W | NW | NW | NW | NW | W | W | W | W |
| Wind movement | 6 | 7 | 4 | 6 | 5 | 5 | 6 | 9 | 9 | 13 | 15 | 16 | 18 | 21 25 W 1:38 | 20 | 15 | 13 | 10 | 7 | 8 | 7 | 6 | 5 | 6 |
| Maximum velocities (exceeding 24 miles) direction and time | | | | | | | | | | | | | | | | | | | | | | | | |

Sunrise: Time, 5:23 Character, Clear. Moonrise: ---- ----

Sunset: Time, 5:47 Character, Clear. Moonset: ---- ----

Wind data corrected to true velocity.

| Total duration. From— | To— | Total amount of precipitation. | Excessive rate. Began— | Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | | | | | |

Excessive precipitation, accumulated amounts

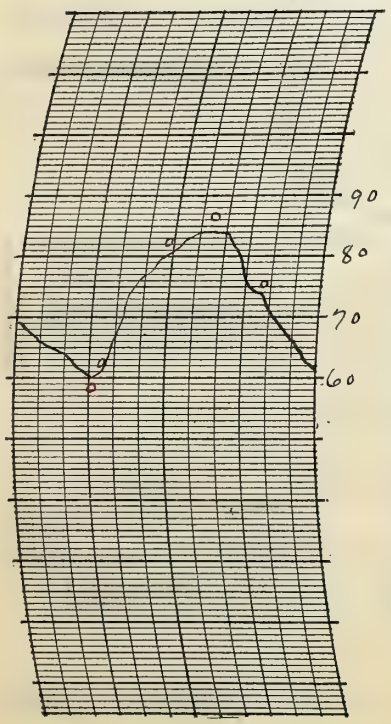
| Maximum Temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 84 | 60 | 72 | |

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., .02 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Clear Moon phase, ----
Average daily cloudiness (0-10), 0
Actual sunshine, hours, 12.4 Possible sunshine, hours, 12.4
Per cent of possible sunshine, 100
Prevailing wind direction, W Total wind, 237
Average hourly velocity, 9.9 Extreme velocity, 28
Maximum velocity, 25 Direction, W
Time began, 1:38 P.M.
Reduced barometer, 29.93 7 a. m. 29.86 7 p. m.
River gage, 1.8 feet
Relative humidity, 88 7 a. m. 40 7 p. m.

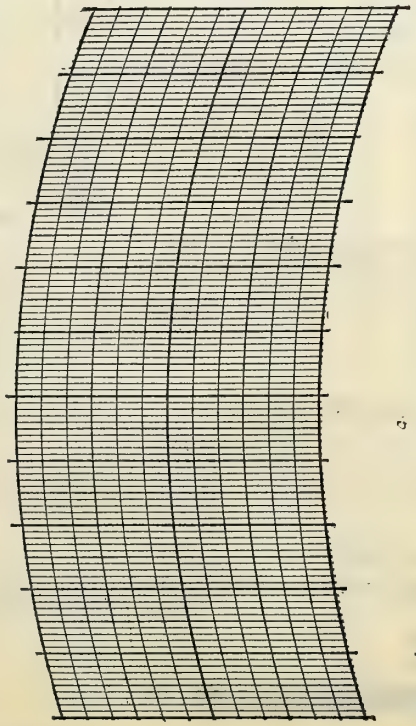
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 81.0 Wet temperature, 61.0
Dew-point, 47 R. humidity, 30 V. pressure, .322
Clouds: Amount, 0; Kind, 0; Direction, 0
Velocity of clouds (miles per hour)

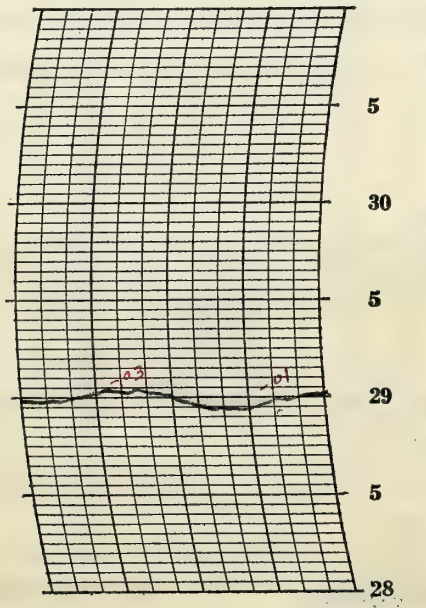
THERMOGRAPH




THERMOGRAPH




BAROGRAPH.




Prepared by L. C. S.

Verified by ----

8—486

## NOTES

Flying conditions were excellent all day.

× Interpolated from notes writing

Form No. 1014—Met'1

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Monday, (Date) SEP 18 1933, 193

Time (local standard) 90 mer. normal time.

| | A.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 | P.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Temperature at end of hour (61) | x 59 | x 57 | x 56 | x 55 | x 54 | x 56 | 59 | 64 | 67 | 69 | 71 | 73 | 75 | 76 | 77 | 76 | 75 | 70 | 70 | 66 | 63 | 63 | 60 | 57 |
| State of weather. Nature of precipitation and time of beginning and ending | | | | | | | | | | | | | | | | | | | | | | | | |
| Amounts of precipitation | | | | | | | | | | | | | | | | | | | | | | | | |
| Cloudiness and other conditions | | | | | | | | | | | | Clear | | | | | | | | | | | | |
| Sunrise: Time, Character, 5:24 Clear. Moonrise: | | | | | | | | | | | | | | | | | | | | | Sunset: Time, Character, 5:46 Clear. Moonset: | | | |
| Sunshine (in tenths of hours) | | | | | | .60 0 | 0.9 0.1 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 0.2 .77 0.8 | 0 | | | | | | |
| Wind direction | W | W | W | W | W | W | W | NW | NW | NW | NW | NW | NW | NW | NW | NW | NW | NW | NW | NW | 0 | 0 | NW | NW |
| Wind movement | 5 | 7 | 6 | 7 | 6 | 7 | 8 | 9 | 9 | 10 | 11 | 12 | 13 | 12 | 12 | 12 | 9 | 6 | 5 | 2 | 1 | 1 | 3 | 3 |
| Maximum velocities (exceeding 24 miles) direction and time | | | | | | | | | | | | | | | | | | | | | | | | |

Wind data corrected to true velocity.

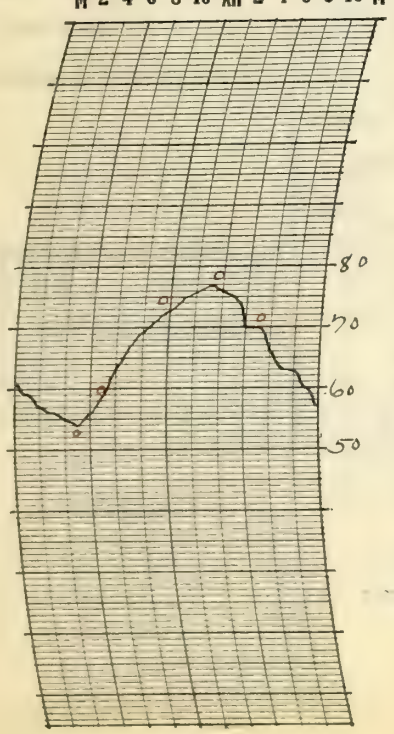
| Excessive precipitation, accumulated amounts | Total duration. From— | To— | Total amount of precipitation. | Excessive rate. Began— | Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | | | | | | |

| Maximum Temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 77 | 54 | 66 | |

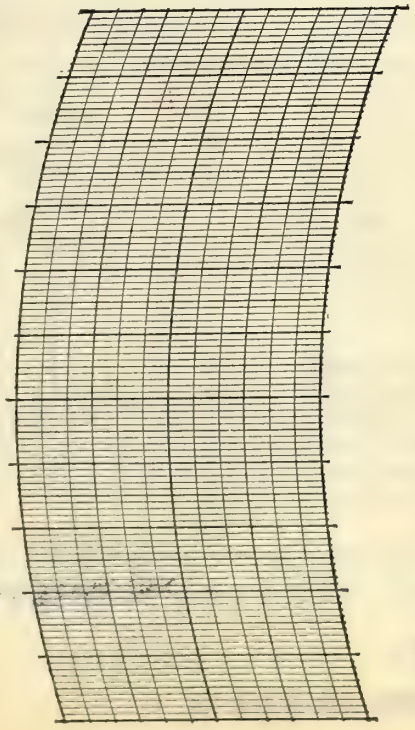
Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Clear Moon phase,
Average daily cloudiness (0-10), Few
Actual sunshine, hours, 12.4 Possible sunshine, hours, 12.4
Per cent of possible sunshine, 100
Prevailing wind direction, NW Total wind, 176
Average hourly velocity, 7.3 Extreme velocity, 17
Maximum velocity, 16 Direction, NW
Time began, 1:17 P.m.
Reduced barometer, 30.01 7 a. m. 29.99 7 p. m.
River gage, 2.3 feet
Relative humidity, 72 7 a. m. 41 7 p. m.

OBSERVATIONS AT 12 NOON.
(Local Mean Time.)
Dry temperature, 73.3 Wet temperature, 58.8
Dew-point, 48 R. humidity, 41 V. pressure, .334
Clouds: Amount, 0; Kind, 0; Direction, 0
Velocity of clouds (miles per hour)

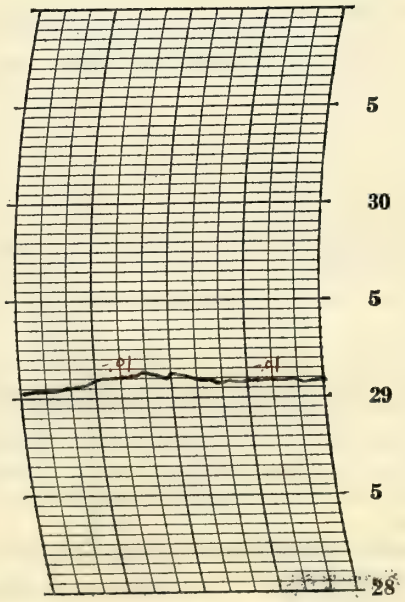
THERMOGRAPH




THERMOGRAPH




BAROGRAPH.




Prepared by R.C.S.

Verified by

8—486

## NOTES

Flying conditions were excellent all day.

x Interpolated. Gen not Waiting

Form No. 1014—Met'1

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Tuesday, (Date) SEP 19 1933, 193

Time (local standard) 90 mer. normal time.

| | A.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 | P.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Temperature at end of hour 57 | 58 | 58 | 59 | 59 | 60 | 60 | 61 | 64 | 66 | 71 | 76 | 69 | 72 | 79 | 81 | 82 | 80 | 78 | 78 | 76 | 74 | 73 | 70 | 67 |
| State of weather. Nature of precipitation and time of beginning and ending | | | | | | | RB 6:40 | | RE 8:20 | RB 9:58 | RE 10:05 | RB 11:29 RE 12:[illegible] | | | | | | | | | | | | |
| Amounts of precipitation | | | | | | | T | .12 | T | .01 | .01 | .28 | | | | | | | | | | | | |
| Cloudiness and other conditions | | | | | | ← Cloudy | | | | | | → | | | | | | ← Pt Cloudy | | → x Clear | | | | |
| Sunrise: Time, Character, 5:26 Clear. Moonrise: | | | | | until 6:09 A | | a St, St Cu, Nb | | | | St Cu | | | | | | | | Cu Nb | | Sunset: Time, Character, 5:44 Cloudy. Moonset: | | | |
| Sunshine (in tenths of hours) | | | | | | 57 0 | 0 | 0 | 0 | 0 | 0.3 | 0 | 0 | 1.0 | 0.6 | 0.4 | 0 | 0 | | | | | | |
| Wind direction | NW | NW | SE | SE | SE | SE | S | SW | S | S | SW | SW | SW | SW | W | W | W | W | W | W | W | W | NW | W |
| Wind movement | 3 | 4 | 6 | 6 | 9 | 7 | 8 | 12 | 8 | 10 | 13 | 13 | 9 | 15 | 14 | 15 | 11 | 10 | 13 | 14 | 12 | 13 | 13 | 12 |
| Maximum velocities (exceeding 24 miles) direction and time | | | | | | | | | | | | | | | | | | | | | | | | |

Wind data corrected to true velocity.

| Excessive precipitation, accumulated amounts | Total duration. From— | To— | Total amount of precipitation. | Excessive rate. Began— | Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | | | | | | |

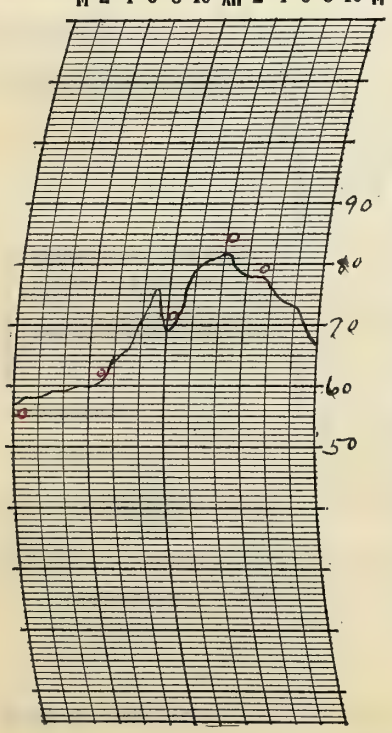
| Maximum Temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 82 | 57 | 70 | |

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., T ins.; to 7 p. m., 0.42 ins.
Total precipitation, midnight to midnight, 0.42 inches.
Character of day, Cloudy Moon phase,
Average daily cloudiness (0-10), 8
Actual sunshine, hours, 2.9 Possible sunshine, hours, 12.3
Per cent of possible sunshine, 24
Prevailing wind direction, W Total wind, 250
Average hourly velocity, 10.4 Extreme velocity, 24
Maximum velocity, 22 Direction, NW
Time began, 11:30 a.m.
Reduced barometer, 29.89 7 a. m. 29.65 7 p. m.
River gage, 1.9 feet
Relative humidity, 74 7 a. m. 75 7 p. m.

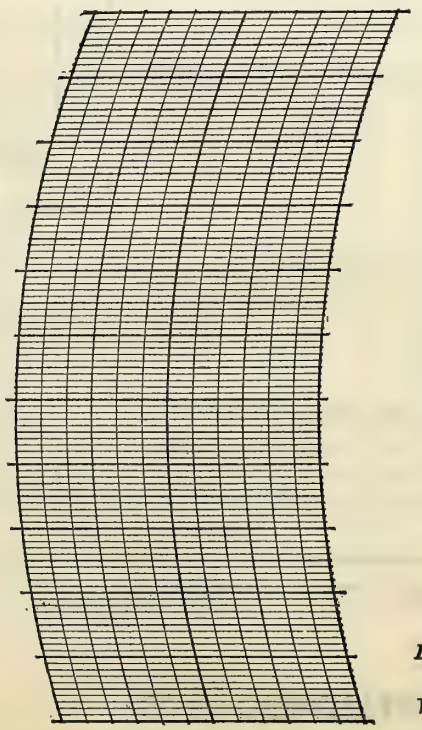
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 69.4 Wet temperature, 69.1
Dew-point, 68 R. humidity, 97 V. pressure, 28.84
Clouds: Amount, 10; Kind, Stcu; Direction, W
Velocity of clouds (miles per hour)

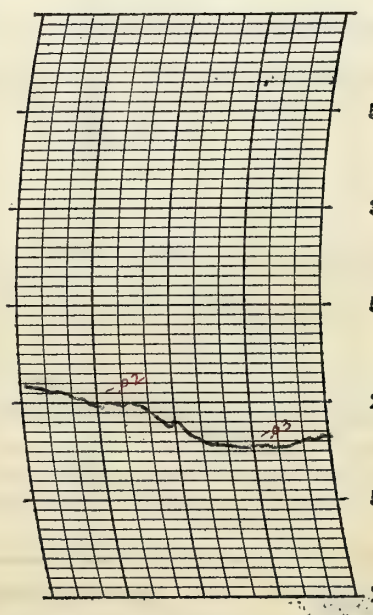
THERMOGRAPH




THERMOGRAPH




BAROGRAPH.




Prepared by L.C.S.

Verified by

8—486

## NOTES

a faint peal of thunder was heard at 7:24 a.m.
a moderate thunderstorm occurred from 11:20 A to 11:50 a.m. No damage reported.
Faint rumblings of thunder were heard in the southeast from 6:30 P to 7:05 P m.
Flying condition good except during times of thunderstorms

Form No. 1014—Met'l

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Wednesday, (Date) SEP 20 1933, 193

Time (local standard) 90 mer. normal time.

| | A.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 | P.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Temperature at end of hour 67 | 65 | 62 | 60 | 59 | 58 | 56 | 57 | 58 | 61 | 62 | 64 | 66 | 66 68 | 67 | 66 | 63 | 62 | 60 | 60 | 60 | 60 RB 8:50 | 56 | 57 RE. DNP | 57 |
| State of weather. Nature of precipitation and time of beginning and ending | | | | | | | | | | | | | | | | | | | | | T | T | T | |
| Amounts of precipitation | | | | | | | | | | | | | | | | | | | | | | | | |
| Cloudiness and other conditions | | | | | | ← Clear → | | | | | | Cir | ← Cloudy → | | | | | alt+St+Cu | | ← Cloudy → | | | | |
| Sunrise: Time, Character, 5:27 Clear. Moonrise: | | | | | | | | | | | | | | | | | | | | | Sunset: Time, Character, 5:42 Cloudy Moonset: | | | |
| Sunshine (in tenths of hours) | | | | | | .55 0 | 1.0 0 | 0.2 0.8 | 1.0 | 1.0 | 1.0 | 1.0 | 0.9 | 1.0 | 1.0 | 0.8 | 0 | 0 | | | | | | |
| Wind direction | W | W | W | W | W | W | W | W | W | W | W | W | NW | NW | NW | NW | NW | NW | NW | W | NW | NW | NW | NW |
| Wind movement | 11 | 9 | 12 | 12 | 12 | 11 | 13 | 15 | 20 | 19 | 20 | 18 | 20 | 20 | 19 | 18 | 17 | 15 | 13 | 11 | 12 | 9 | 6 | 6 |
| Maximum velocities (exceeding 24 miles) direction and time | | | | | | | | | | | | | | | | | | | | | | | | |

Wind data corrected to true velocity.

| Total duration. From— | To— | Total amount of precipitation. | Excessive rate. Began— | Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | | | | | |

Excessive precipitation, accumulated amounts

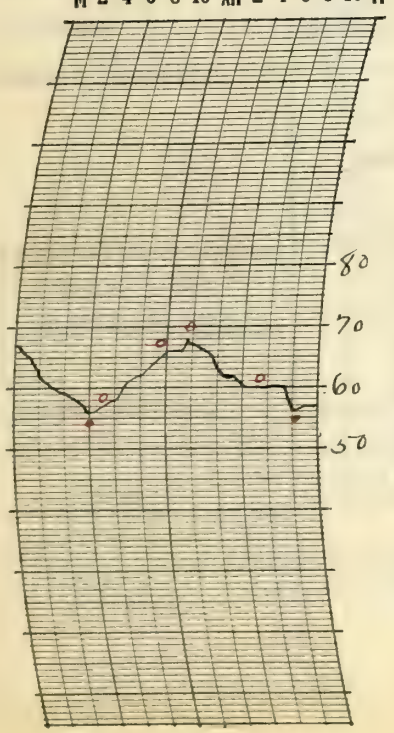
| Maximum Temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 68 | 56 | 62 | |

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 6 ins.
Total precipitation, midnight to midnight, T inches.
Character of day, Clear Moon phase,
Average daily cloudiness (0-10), 2
Actual sunshine, hours, 10.2 Possible sunshine, hours, 12.2
Per cent of possible sunshine, 84
Prevailing wind direction, W Total wind, 338
Average hourly velocity, 14.1 Extreme velocity, 25
Maximum velocity, 22 Direction, NW
Time began, 3:48 P.M.
Reduced barometer, 29.71 7 a. m. 29.83 7 p. m.
River gage, 1.5 feet
Relative humidity, 60 7 a. m. 58 7 p. m.

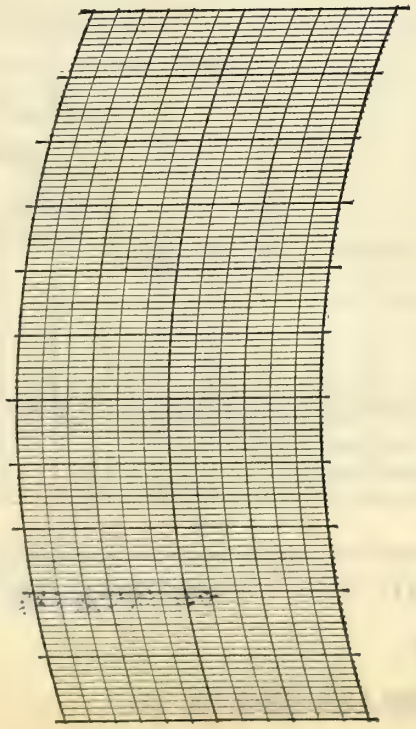
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 66.0 Wet temperature, 54.0
Dew-point, 44 R. humidity, 45 V. pressure, 287
Clouds: Amount, Few; Kind, Cu; Direction, W
Velocity of clouds (miles per hour)

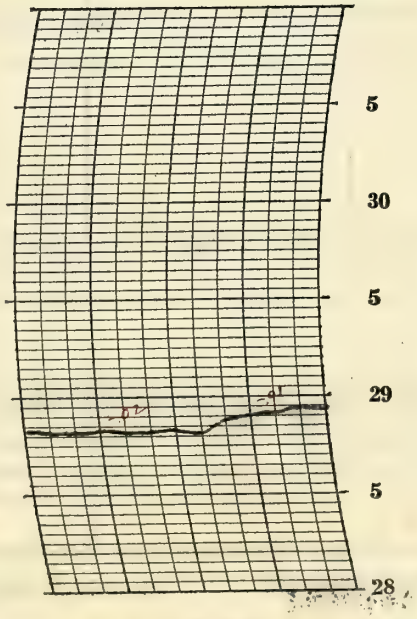
THERMOGRAPH




THERMOGRAPH




BAROGRAPH.




Prepared by P.C.L.

Verified by

8—486

## NOTES

Fine lying conditions excellent all day. The rain in the evening was light yet sufficient to wet streets at times.

Form No. 1014—Met'1

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(Station) Fort Wayne Ind., (Day of week) Thursday, (Date) SEP 21 1933, 193

Time (local standard) 90 mer. normal time.

| | A.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 | P.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Temperature at end of hour | 56 | 56 | 56 | 56 | 52 | 53 | 54 | 56 | 58 | 60 | 60 | 61 | 62 | 63 | 64 (66) | 65 | 64 | 62 | 58 | 56 | 55 | 55 | 54 | 53 |
| State of weather. Nature of precipitation and time of beginning and ending | | | | | | | | | | | | | | | | | | | | | | | | |
| Amounts of precipitation | | | | | | | | | | | | | | | | | | | | | | | | |
| Cloudiness and other conditions | | | | | ← Cloudy | | → Clear | | → | | Cloudy | | → Pt Cloudy | | → | | | Clear | → | | | | | |
| Sunshine (in tenths of hours) | | | | | | 0 | 0 | 0.8 | 0.4 | 0.4 | 0 | 0.2 | 0.2 | 0.7 | 0.8 | 0.9 | 0.5 0.4 | .68 0 | | | | | | |
| Wind direction | NW | NW | W | NW | W | W | W | NW | NW | NW | NW | NW | NW | NW | NW | NW | NW | NW | N | N | N | N | N | N |
| Wind movement | 9 | 9 | 9 | 7 | 9 | 9 | 9 | 11 | 14 | 12 | 12 | 11 | 10 | 9 | 9 | 10 | 9 | 7 | 7 | 7 | 5 | 4 | 4 | 5 |
| Maximum velocities (exceeding 24 miles) direction and time | | | | | | | | | | | | | | | | | | | | | | | | |

Sunrise: Time, 5:27 Character, Cloudy. Moonrise: ____ ____

Sunset: Time, 5:41 Character, Clear. Moonset: ____ ____

Wind data corrected to true velocity.

| Total duration. From— | To— | Total amount of precipitation. | Excessive rate. Began— | Ended— | Amount before excessive began. |
|---|---|---|---|---|---|
| | | | | | |

Accumulated depths during excessive rate, for consecutive periods of time indicated below.

| 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | |

Excessive precipitation, accumulated amounts

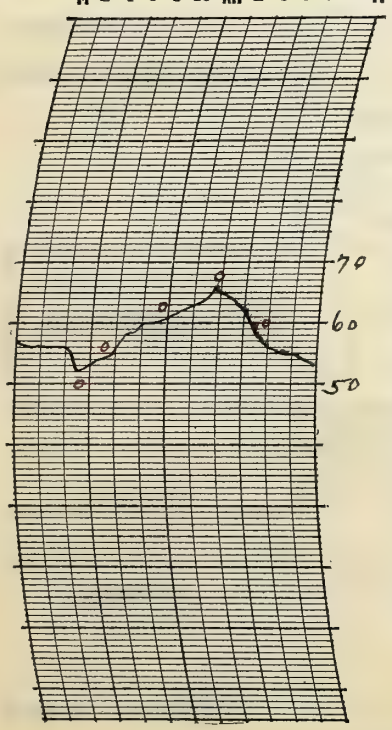
| Maximum Temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 66 | 52 | 59 | |

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., T ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Pt Cloudy Moon phase, ____
Average daily cloudiness (0-10), 5
Actual sunshine, hours, 6.0 Possible sunshine, hours, 12.2
Per cent of possible sunshine, 49
Prevailing wind direction, NW Total wind, 207
Average hourly velocity, 8.6 Extreme velocity, 17
Maximum velocity, 16 Direction, NW
Time began, 8:40 a.m.
Reduced barometer, 29.93 7 a. m. 29.94 7 p. m.
River gage, 1.5 feet
Relative humidity, 82 7 a. m. 69 7 p. m.

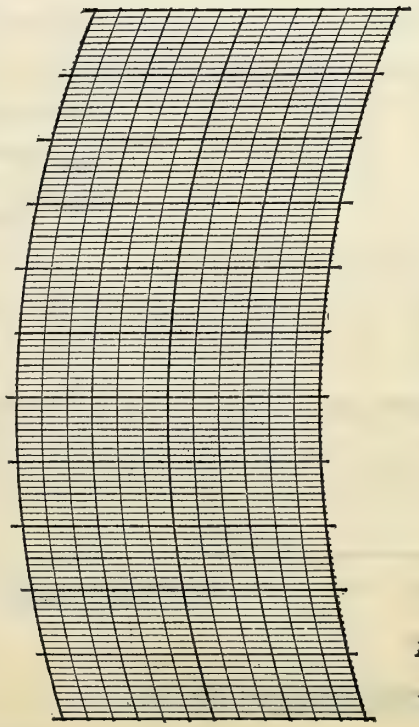
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 61.2 Wet temperature, 54.1
Dew-point, 49 R. humidity, 63 V. pressure, .347
Clouds: Amount, 3 a.m.; Kind, St Cu; Direction, N
Velocity of clouds (miles per hour)

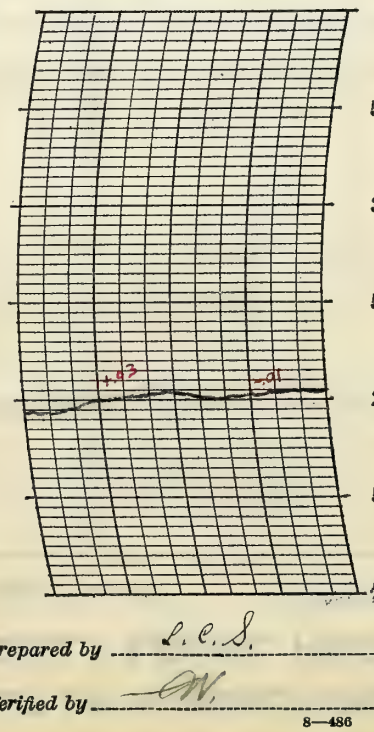
THERMOGRAPH




THERMOGRAPH




BAROGRAPH.




Prepared by L. C. S.

Verified by W.

8—486

## NOTES

Flying conditions were excellent all day.

Form No. 1014—Met'l

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Friday, (Date) SEP 22 1933, 193

Time (local standard) 90 mer. normal time. 53

| | A.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 | P.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Temperature at end of hour | 52 | 51 | 51 | 52 | 52 | 53 | 54 | 56 | 58 | 60 | 64 | 65 | 67 | 67 | 69 | 64 | 61 | 60 | 60 | 62 | 62 | 62 | 62 | 62 |
| State of weather. Nature of precipitation and time of beginning and ending | | | | RB D.N.A. RE D.N.A. | | | | | | | | | | | | RB 3:20 | | | | | RE 8:10 | | | |
| Amounts of precipitation | | | | T | | | | | | | | | | | | 0.10 | .08 | .08 | .16 | .07 | T | | | |
| Cloudiness and other conditions | | | | | | ← Cloudy → | | | | | | | | | | | | | | | | | | |
| | | | | | | | St Cu | | | | St Cu | +St | | | | | | | St Cu | | | | | |
| Sunrise: Time, 5:28 Character, Cloudy Moonrise: | | | | | | | | | | | | | | | | | | | | | Sunset: Time, 5:39 Character, Cloudy Moonset: | | | |
| Sunshine (in tenths of hours) | | | | | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.3 | 0.2 | 0.1 | 0 | 0 | 0 | | | | | | |
| Wind direction | N | N | N | N | SE | SE | SE | SE | SE | SE | S | S | SW | SW | SW | SW | S | S | SW | SE | SE | SE | SE | SE |
| Wind movement | 5 | 2 | 3 | 5 | 6 | 7 | 7 | 9 | 8 | 9 | 9 | 12 | 11 | 9 | 10 | 9 | 9 | 6 | 8 | 10 | 9 | 9 | 8 | 5 |
| Maximum velocities (exceeding 24 miles) direction and time | | | | | | | | | | | | | | | | | | | | | | | | |

Wind data corrected to true velocity.

| Total duration. From— | To— | Total amount of precipitation. | Excessive rate. Began— | Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | | | | | |

Excessive precipitation, accumulated amounts

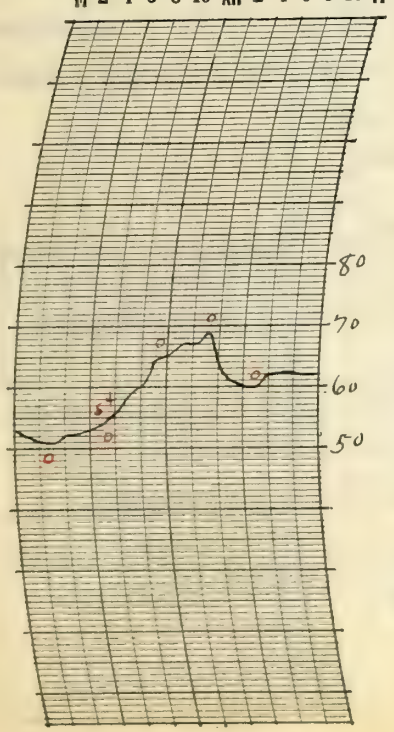
| Maximum Temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 69 | 51 | 60 | |

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., T ins.; to 7 p. m., 0.56 ins.
Total precipitation, midnight to midnight, 0.79 inches.
Character of day, Cloudy Moon phase,
Average daily cloudiness (0-10), 10
Actual sunshine, hours, 0.6 Possible sunshine, hours, 12.2
Per cent of possible sunshine, 5
Prevailing wind direction, SE Total wind, 185
Average hourly velocity, 7.7 Extreme velocity, 14
Maximum velocity, 14 Direction, S
Time began, 11:04 a.m.
Reduced barometer, 29.95 7 a. m. 29.85 7 p. m.
River gage, 0.9 feet
Relative humidity, 82 7 a. m. 94 7 p. m.

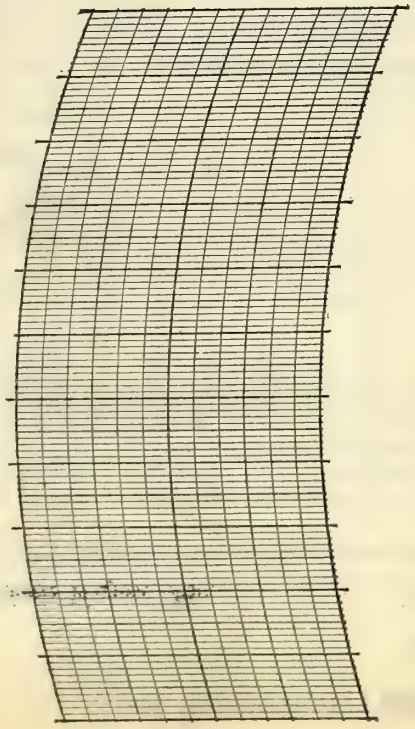
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 65.2 Wet temperature, 57.2
Dew-point, 51 R. humidity, 62 V. pressure, .373
Clouds: Amount, 5 ; Kind, St ; Direction, S
Velocity of clouds (miles per hour)

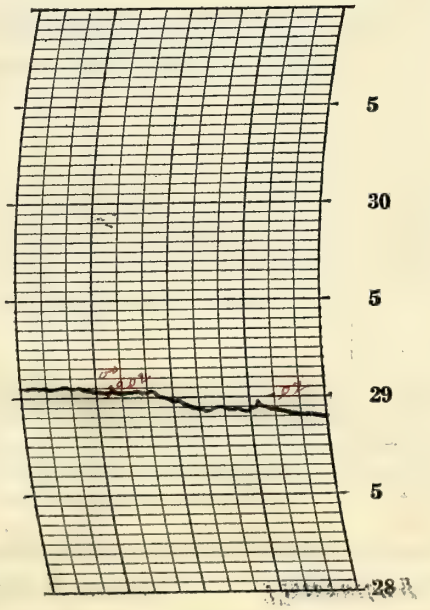
THERMOGRAPH




THERMOGRAPH




BAROGRAPH.




Prepared by L. C. S.

Verified by

8—486

## NOTES

Flying conditions were fair. Ceiling ranged from 3000 to 5000 ft greater part of day and visibility around 5 miles.

a light thunderstorm in the afternoon. Thunder first heard at 3:35 PM and last heard at 4:15 PM.

a moderate thunderstorm in the evening Thunder first heard at 6:10 PM and last heard at 7:10 PM

No damage has been reported from either storm.

Form No. 1014—Met'1

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Saturday, (Date) SEP 23 1933, 193

Time (local standard) 90 mer. normal time.

| | A.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 | P.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Temperature at end of hour 62 | 64 | 64 | 64 | 64 | 64 | 63 | 64 | 66 | 70 | 69 | 72 | 74 | 77 | 76 | 76 | 76 | 75 | 73 | 72 | 69 | 68 | 68 | 67 | 68 |
| State of weather. Nature of precipitation and time of beginning and ending | | RB DNA | RE DNA | | | | | | | | | | | | | | | | | | | | | |
| Amounts of precipitation | | .01 | 02 | | | | | | | | | | | | | | | | | | | | | |
| Cloudiness and other conditions | | | | | | ← Cloudy | | | | | | → | ← Pt Cloudy | | | | | | | → | | | | |
| Sunrise: Time, 5:29 Character, Cloudy. Moonrise: | | | | | | | | Ci Cu + Cu | | | Ci Cu + Cu | | | | | | | | St Cu | | Sunset: Time, 5:37 Character, Cloudy. Moonset: | | | |
| Sunshine (in tenths of hours) | | | | | | 0 | 0 | 0.3 | 0.8 | 0 | 0.1 | 0.7 | 0.6 | 0.5 | 0.7 | 0.8 | 0 | 0 | | | | | | |
| Wind direction | S | S | S | S | S | S | S | SW | SW | SW | SW | SW | SW | SW | SW | SW | SW | SW | S | S | S | S | S | SW |
| Wind movement | 8 | 9 | 8 | 9 | 9 | 7 | 9 | 12 | 12 | 12 | 12 | 12 | 13 | 15 | 12 | 12 | 10 | 8 | 9 | 9 | 9 | 8 | 6 | 9 |
| Maximum velocities (exceeding 24 miles) direction and time | | | | | | | | | | | | | | | | | | | | | | | | |

Wind data corrected to true velocity.

| | Total duration. From— | To— | Total amount of precipitation. | Excessive rate. Began— | Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Excessive precipitation, accumulated amounts | | | | | | | | | | | | | | | | | | | | |

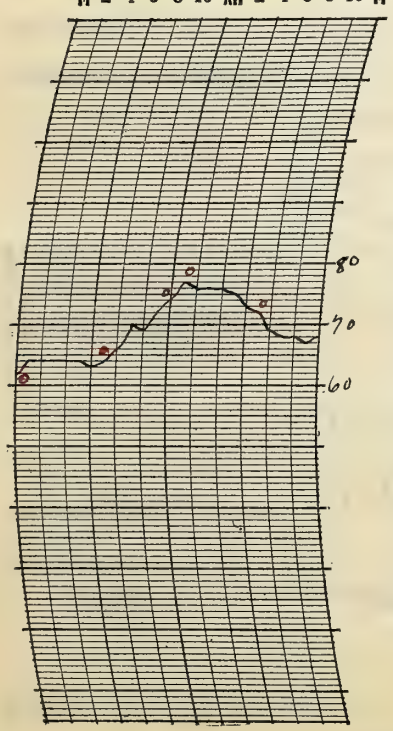
| Maximum Temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 77 | 62 | 70 | |

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0.26 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, .03 inches.
Character of day, Pt Cloudy Moon phase,
Average daily cloudiness (0-10), 7
Actual sunshine, hours, 4.5 Possible sunshine, hours, 12.1
Per cent of possible sunshine, 37
Prevailing wind direction, S + SW Total wind, 239
Average hourly velocity, 10.0 Extreme velocity, 19
Maximum velocity, 18 Direction, SW
Time began, 1:36 P.M.
Reduced barometer, 29.81 7 a. m. 29.83 7 p. m.
River gage, 1.6 feet
Relative humidity, 81 7 a. m. 82 7 p. m.

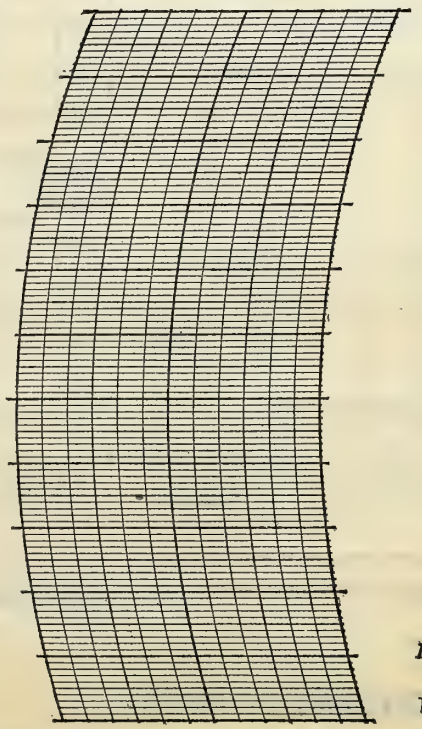
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 73.0 Wet temperature, 67.0
Dew-point, 64 R. humidity, 73 V. pressure, 595
Clouds: Amount, 4 2; Kind, Ci Cu; Direction, W W
Velocity of clouds (miles per hour)

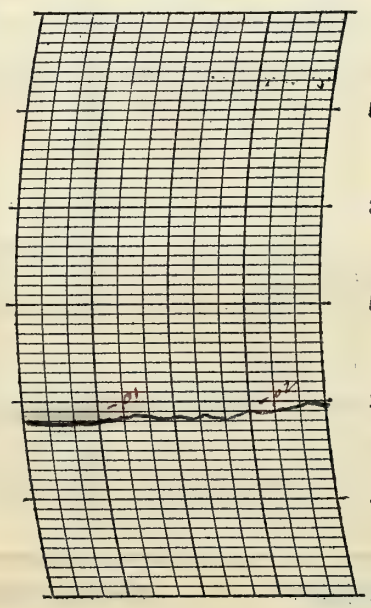
THERMOGRAPH




THERMOGRAPH




BAROGRAPH.




Prepared by L. C. S.

Verified by

8—486

## NOTES

Solar Halo was observed as continuous from 6:30 to 7:00 AM after that it was very intermittent. It was only moderately bright.

Flying conditions were excellent all day.

Form No. 1014—Met'1

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Sunday, (Date) SEP 24 1933, 193

| Time (local standard) 90 mer. normal time. | A.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 | P.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Temperature at end of hour (68) | 69 | 70 | 69 | 68 | 67 | 66 | 62 | 71 | 74 | 76 | 78 | 80 | 81 | 82 | 84 | 83 | 82 | 81 | 79 | 77 | 75 | 74 | 72 | 71 |
| State of weather. Nature of precipitation and time of beginning and ending | | | | | | | | | | | | | | | | | | | | | | | | |
| Amounts of precipitation | | | | | | | | | | | | | | | | | | | | | | | | |
| Cloudiness and other conditions | | | | | | | Ci & Cu | | | | | Ci St | Pt Cloudy | | | | | | St + Strat Cu | | | | | |
| Sunshine (in tenths of hours) | | | | | | .5 0 | 1.0 0 | 0.4 0.6 | 0.8 | 0.8 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 0.4 | 0.1 | 0 | | | | | | |
| Wind direction | SW | SW | SW | SW | SW | SW | SW | SW | SW | SW | SW | SW | SW | S | SW | SW | SE | SE | SE | SE | SE | SE | S | S |
| Wind movement | 9 | 9 | 9 | 7 | 7 | 7 | 6 | 9 | 8 | 9 | 8 | 8 | 9 | 9 | 8 | 7 | 4 | 4 | 6 | 6 | 7 | 6 | 7 | 7 |
| Maximum velocities (exceeding 24 miles) direction and time | | | | | | | | | | | | | | | | | | | | | | | | |

Sunrise: Time 5:30, Character Clear. Moonrise:

Sunset: Time 6:36, Character Cloudy. Moonset:

Wind data corrected to true velocity. /

Excessive precipitation, accumulated amounts

| Total duration. From— | To— | Total amount of precipitation. | Excessive rate. Began— | Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | | | | | |

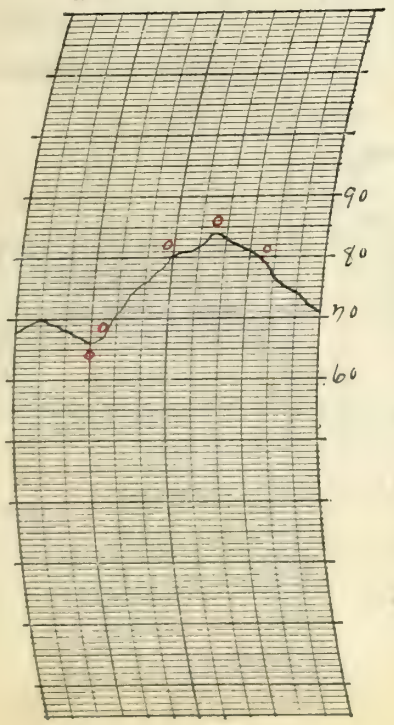
| Maximum Temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 84 | 66 | 75 | |

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Pt Cloudy Moon phase,
Average daily cloudiness (0-10), 5
Actual sunshine, hours, 9.6 Possible sunshine, hours, 12.1
Per cent of possible sunshine, 79
Prevailing wind direction, SW Total wind, 176
Average hourly velocity, 7.3 Extreme velocity, 11
Maximum velocity, 11 Direction, SW
Time began, 7:31 a.m.
Reduced barometer, 29.94 7 a. m. 29.94 7 p. m.
River gage, 1.2 feet
Relative humidity, 80 7 a. m. 68 7 p. m.

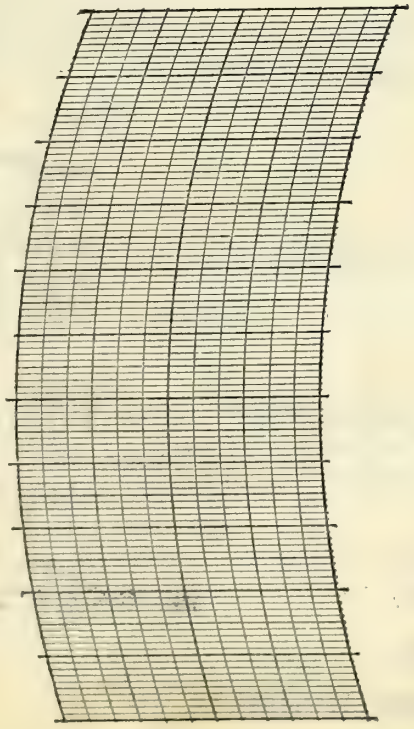
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 80.1 Wet temperature, 70.0
Dew-point, 65 R. humidity, 61 V. pressure, .616
Clouds: Amount, 6; Kind, Ci St; Direction, S
Velocity of clouds (miles per hour)

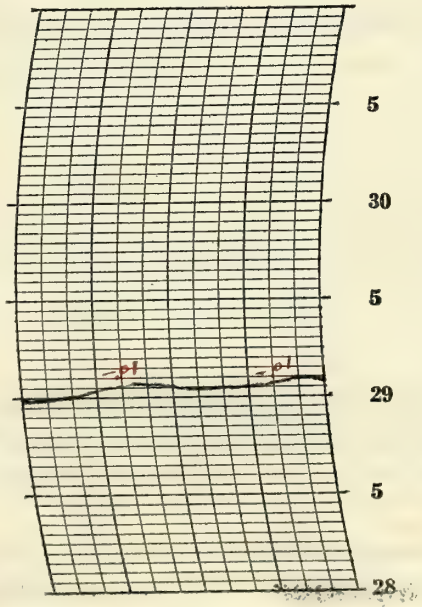
THERMOGRAPH




THERMOGRAPH




BAROGRAPH.




Prepared by L.C.S

Verified by

8—486

## NOTES

Flying conditions were excellent all day.

Form No. 1014—Met'l

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Monday, (Date) SEP 25 1933, 193

Time (local standard) 90 mer. normal time.

| | A.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 | P.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Temperature at end of hour (71) | 70 | 68 | 67 | 66 | 66 | 67 | 69 | 73 | 76 | 79 82 | 81 | 81 | 80 | 76 | 76 | 74 | 71 | 70 | 70 | 70 | 70 | 70 | 70 | 71 |
| State of weather. Nature of precipitation and time of beginning and ending | | | | | | | | | | | | | | RB 1:25 RE 1:45 | | | RB 4:05 RE 4:10 RB 4:40 | | | RE 7:05 | | | | |
| Amounts of precipitation | | | | | | | | | | | | | | T | | | .01 | .01 | T | T | | | | |
| Cloudiness and other conditions | | | | | | | | | | | | | | | | | | | | | | | | |
| Sunshine (in tenths of hours) | | | | | | 0 | 0 | 0 | 0.3 | 0.8 | 1.0 | 0.8 | 0.6 | 0.4 | 0 | 0 | 0 | 0 | | | | | | |
| Wind direction | S | S | S | S | S | S | S | S | S | S | SW | S | S | S | SW | SW | S | SW | S | S | S | S | S | S |
| Wind movement | 7 | 6 | 7 | 7 | 5 | 5 | 7 | 7 | 9 | 12 | 14 | 15 | 13 | 15 | 15 | 13 | 11 | 11 | 12 | 13 | 13 | 12 | 12 | 12 |
| Maximum velocities (exceeding 24 miles) direction and time | | | | | | | | | | | | | | | | | | | | | | | | |

Cloudy (0+) — Cloudy (x) — Cloudy (1+ St Cu) — Cloudy (1+ Cu + Ac) — Cloudy (St Cu + Nb)

Sunrise: Time, 5:31 Character, Cloudy. Moonrise:

Sunset: Time, 5:34 Character, Cloudy. Moonset:

Wind data corrected to true velocity.

| Total duration. From— | To— | Total amount of precipitation. | Excessive rate. Began— | Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | | | | | |

Excessive precipitation, accumulated amounts

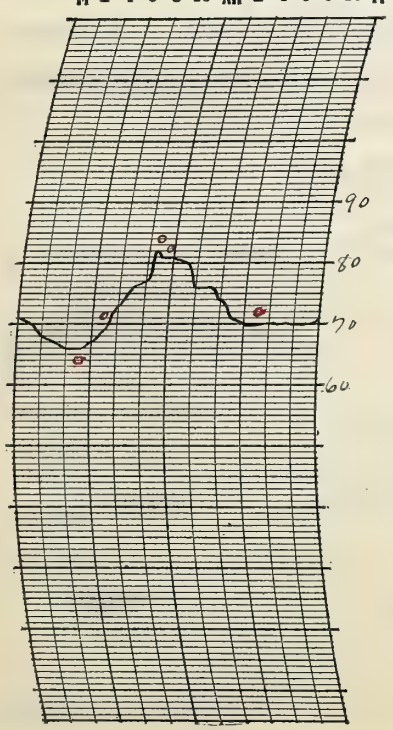
| Maximum Temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 82 | 66 | 74 | |

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 1 a. m., 0 ins.; to 7 p. m., .02 ins.
Total precipitation, midnight to midnight, .02 inches.
Character of day, Cloudy Moon phase,
Average daily cloudiness (0-10), 8
Actual sunshine, hours, 3.9 Possible sunshine, hours, 12.0
Per cent of possible sunshine, 32
Prevailing wind direction, S Total wind, 253
Average hourly velocity, 10.5 Extreme velocity, 18
Maximum velocity, 18 Direction, S
Time began, 1:17 P.M.
Reduced barometer, 30.01 7 a. m. 29.96 7 p. m.
River gage, 0.9 feet
Relative humidity, 77 7 a. m. 89 7 p. m.

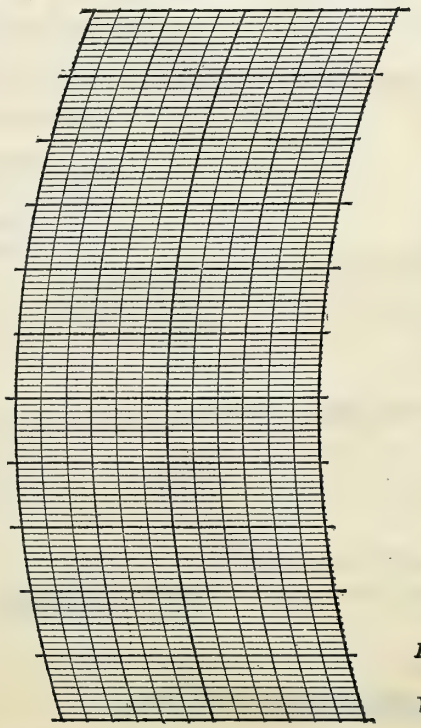
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 81.1 Wet temperature, 70.0
Dew-point, 65 R. humidity, 57 V. pressure, .616
Clouds: Amount, 4 (3 Cu Cu); Kind, Cu Cu; Direction, S (S)
Velocity of clouds (miles per hour)

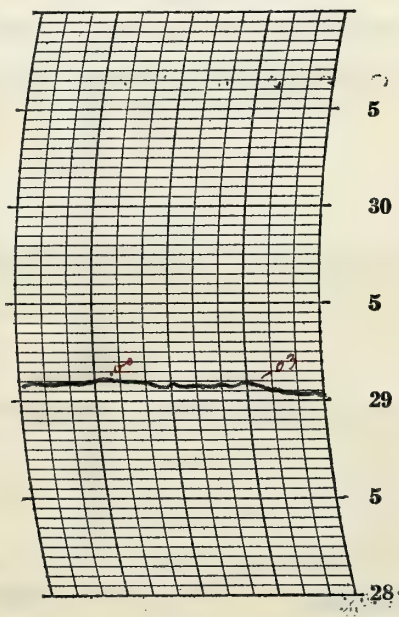
THERMOGRAPH




THERMOGRAPH




BAROGRAPH.




Prepared by L. C. S.

Verified by

8—486

## NOTES

Flying conditions were excellent all day.

Form No. 1014—Met'l

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Tuesday, (Date) SEP 26 1933, 193

Time (local standard) 90 mer. normal time.

| | 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 | 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | A. M. | | | | | | | | | | | | P. M. | | | | | | | | | | | |
| Temperature at end of hour (71) | 70 | 71 | 72 | 72 | 72 | 71 | 72 | 73 | 72 | 71 | 73 | 74 | 75 | 74 | 72 | 71 | 70 | 70 | 65 | 64 | 64 | 64 | 64 | 64 |
| State of weather. Nature of precipitation and time of beginning and ending | | | | | | | | | RB 8:52 RE 9:45 | | RB 10:55 | RE 11:05 RB 11:35 RE 11:58 | | RB 1:30 | | | | | | | | * (1) | * (3) | R cont'd * (1) |
| Amounts of precipitation | | | | | | | | | T | T | T | .01 | | .01 | .01 | T | .02 | T | .53 | .13 | .05 | .18 | .38 | .21 |
| Cloudiness and other conditions | | | | | | ← | | | | | | Cloudy | → | | | | | | | | | | | |
| Sunrise: Time, Character, 5:32 Cloudy. Moonrise: | | | | | | | Ci+Stu | | | | | Stu | | | | | | Stu+Nb | | | Sunset: Time, Character, 5:32 Cloudy. Moonset: | | | |
| Sunshine (in tenths of hours) | | | | | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | |
| Wind direction | S | SW | SW | SW | S | SW | SW | SW | W | S | SW | SW | SW | SW | S | S | S | S | W | S | SE | S | S | SE |
| Wind movement | 13 | 12 | 13 | 13 | 15 | 13 | 12 | 10 | 8 | 7 | 10 | 12 | 10 | 13 | 14 | 15 | 13 | 16 | 11 | 8 | 9 | 10 | 11 | 12 |
| Maximum velocities (exceeding 24 miles) direction and time | | | | | | | | | | | | | | | | | | | | | | | | |

Wind data corrected to true velocity.

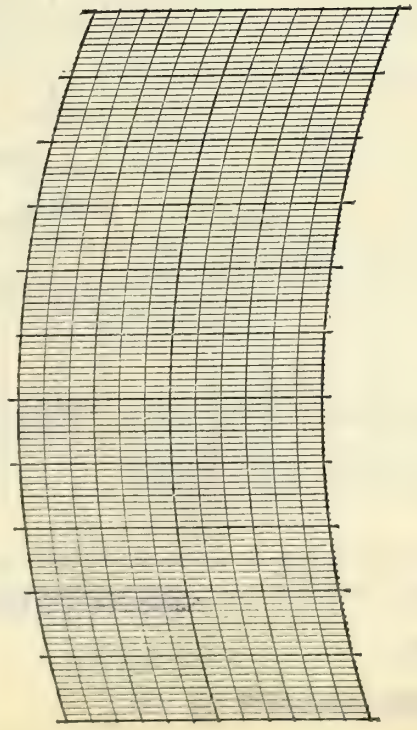
| | Total duration. From— | Total duration. To— | Total amount of precipitation. | Excessive rate. Began— | Excessive rate. Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Excessive precipitation, accumulated amounts | 1:30 P | on 27th 7:05 A | 1.84 | 6:04 P | 6:19 P | .05 | 0.17 | 0.28 | 0.36 | .39 | .42 | .44 | .45 | .46 | .47 | .50 | .52 | .60 | .63 | .64 |

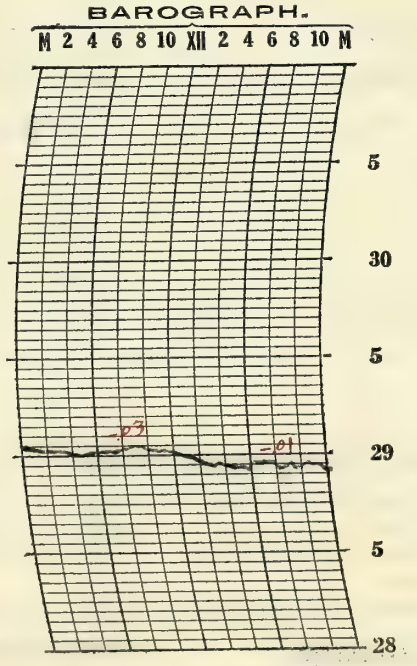
| Maximum Temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 75 | 64 | 70 | |

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., T ins.; to 7 p. m., 0.53 ins.
Total precipitation, midnight to midnight, 1.53 inches.
Character of day, Cloudy Moon phase,
Average daily cloudiness (0-10), 10
Actual sunshine, hours, 0 Possible sunshine, hours, 12.0
Per cent of possible sunshine, 0
Prevailing wind direction, S+SW Total wind, 280
Average hourly velocity, 11.7 Extreme velocity, 22
Maximum velocity, 21 Direction, W
Time began, 6:01 P.M.
Reduced barometer, 29.90 7 a. m. 29.85 7 p. m.
River gage, 0.8 feet
Relative humidity, 77 7 a. m. 98 7 p. m.

OBSERVATIONS AT 12 NOON.
(Local Mean Time.)
Dry temperature, 74.0 Wet temperature, 70.4
Dew-point, 69 R. humidity, 84 V. pressure, .707
Clouds: Amount, 10; Kind, St Cu; Direction, S
Velocity of clouds (miles per hour)

THERMOGRAPH
M 2 4 6 8 10 XII 2 4 6 8 10 M
90 80 70 60




Prepared by P.C.S.
Verified by C.F.M.

8—486

## NOTES

One peal of thunder was heard at 8:50 a.m.
A moderate thunderstorm occurred in the evening. First thunder was heard at 6:25 P.M. and is believed to have last occurred D.S.C. near Midnight. It was moderate in character and no damage has been reported.
Flying conditions were fair.
* Numbers in parenthesis hundredths added to automatic record
Many cars stalled during heavy rain in the evening and lower elevations and low spots in streets were flooded

Form No. 1014—Met'1

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Wednesday, (Date) SEP 27 1933, 193

Time (local standard) 90 mer. normal time.

| | A.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 | P.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Temperature at end of hour 64 | 64 | 64 | 64 | 65 | 60 | 58 | 59 | 59 RE 7:05 | 60 | 59 | 61 | 64 | 66 | 67 | 68 | 68 | 66 | 64 | 62 | 60 | 58 | 56 | 55 ø | 54 ø |
| State of weather. Nature of precipitation and time of beginning and ending | R Contd * (1) | | | | | | * (1) | | | | | | | | | | | | | | | | | |
| Amounts of precipitation | .23 | .03 | .01 | .02 | .01 | .01 | .01 | T | | | | | | | | | | | | | | | | |
| Cloudiness and other conditions | | | | | | ← Cloudy | | | | | | x Pt Cldy x | ← Clear | | | | | | | | | | | → |
| | | | | | | | St Cu | | | | | Cu | | | | | | | | | | | | |
| Sunrise: Time, Character, 5:33 Cloudy. Moonrise: | | | | | | | | | | | | | | | | | | | | | Sunset: Time, Character, 5:30 Clear. Moonset: | | | |
| Sunshine (in tenths of hours) | | | | | | 0 | 0 | 0 | 0 | 0 | 0.2 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 0.5 | .5 0 | | | | | | |
| | | | | | | | | | | | | | | | | | 0.5 | 0 | | | | | | |
| Wind direction | SE | S | S | SW | NW | N | N | N | N | N | N | N | NW | NW | N | NW | NW | NW | NW | NW | 0 | NW | NW | NW |
| Wind movement | 13 | 12 | 9 | 9 | 12 | 12 | 9 | 10 | 9 | 9 | 9 | 8 | 8 | 8 | 7 | 7 | 8 | 5 | 3 | 2 | 1 | 2 | 2 | 3 |
| Maximum velocities (exceeding 24 miles) direction and time | | | | | | | | | | | | | | | | | | | | | | | | |

Wind data corrected to true velocity.

| Total duration. From— | To— | Total amount of precipitation. | Excessive rate. Began— | Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | | | | | |

Excessive precipitation, accumulated amounts

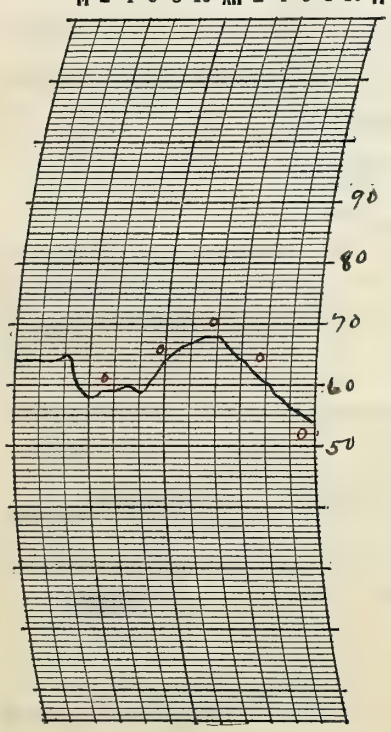
| Maximum Temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 68 | 54 ø | 61 | |

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 1.32 ins.; to 7 p. m., T ins.
Total precipitation, midnight to midnight, 0.32 inches.
Character of day, Pt Cloudy Moon phase,
Average daily cloudiness (0-10), 5
Actual sunshine, hours, 6.7 Possible sunshine, hours, 12.0
Per cent of possible sunshine, 56
Prevailing wind direction, NW Total wind, 177
Average hourly velocity, 7.4 Extreme velocity, 17
Maximum velocity, 16 Direction, S
Time began, 12:35 a.m.
Reduced barometer, 29.90 7 a. m. 30.02 7 p. m.
River gage, 5.4 feet
Relative humidity, 96 7 a. m. 58 7 p. m.

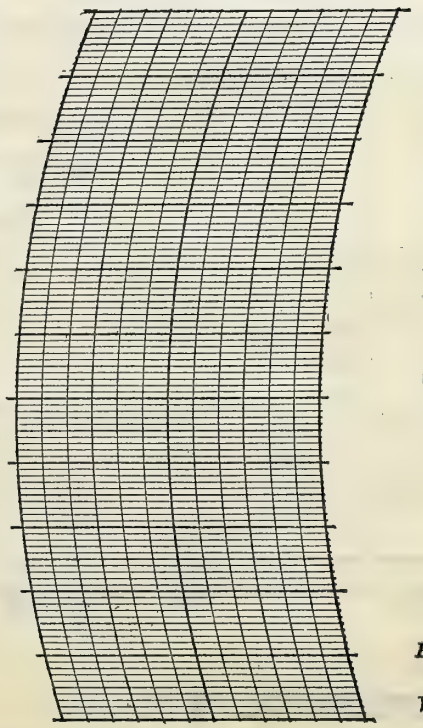
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 64.5 Wet temperature, 59.5
Dew-point, 56 R. humidity, 75 V. pressure, .448
Clouds: Amount, 4; Kind, Cu; Direction, N
Velocity of clouds (miles per hour)

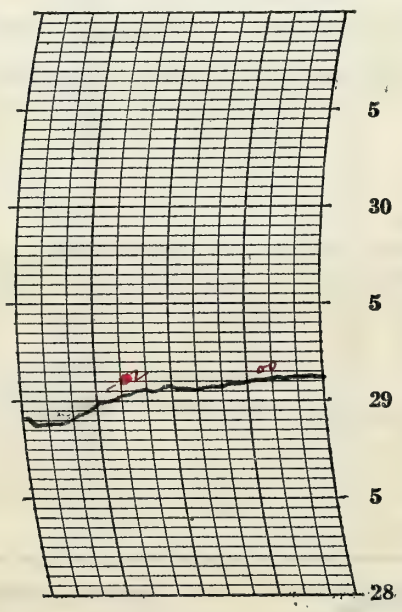
THERMOGRAPH




THERMOGRAPH




BAROGRAPH.




Prepared by L.C.S.

Verified by C.W.

8—486

## NOTES

* Numbers in parenthesis hundredths added to automat. record

Flying conditions were excellent all day

ø Interpolated from Mt Writing

Light frost Warning received and released at 8:30 a.m. to newspapers Radio and published our daily bulletins and called to special list

Form No. 1014—Met'1

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Thursday, (Date) SEP 28 1933, 193

Time (local standard) 90 mer. normal time.

| | 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 | 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | A. M. | | | | | | | | | | | | P. M. | | | | | | | | | | | |
| Temperature at end of hour | 54 52 | 51 | 50 | 49 48 | 50 | 50 | 51 | 57 | 62 | 64 | 65 | 66 | 66 | 66 | 66 | 65 | 65 | 64 | 63 | 61 | 60 | 59 | 58 | 58 |
| State of weather. Nature of precipitation and time of beginning and ending | | | | | | | | | | | | | | | | RD 3:35 RL 3:40 | | | | | | | | |
| Amounts of precipitation | | P | | | | | | | | | | | | | | T | | | | | | | | |
| Cloudiness and other conditions | | | Fog | | Clear | | P+ Cloudy | | | | Cloudy | | | | | | | Clear | | | P+ Cloudy | | | |
| | | | | | | | a Cu | | | | a St + St Cu | | | | | | | | a Cu | | | | | |
| Sunshine (in tenths of hours) | | | | | | 4.2 0 | 1.0 0 | 0.3 0.4 | 0.8 | 1.0 | 0.4 | 0.6 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | |
| Wind direction | NW | NW | NW | NW | NW | NW | NW | SW | SW | SW | S | SW | SW | SW | SW | S | S | SW | SW | SW | SW | SW | SW | SW |
| Wind movement | 3 | 2 | 2 | 3 | 4 | 3 | 5 | 7 | 10 | 12 | 12 | 12 | 10 | 9 | 7 | 9 | 7 | 5 | 2 | 5 | 4 | 5 | 5 | 7 |
| Maximum velocities (exceeding 24 miles) direction and time | | | | | | | | | | | | | | | | | | | | | | | | |

Sunrise: Time 5:35, Character Clear. Moonrise:

Sunset: Time 5:29, Character Cloudy. Moonset:

Wind data corrected to true velocity.

| Excessive precipitation, accumulated amounts | Total duration. From— | To— | Total amount of precipitation. | Excessive rate. Began— | Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | | | | | | |

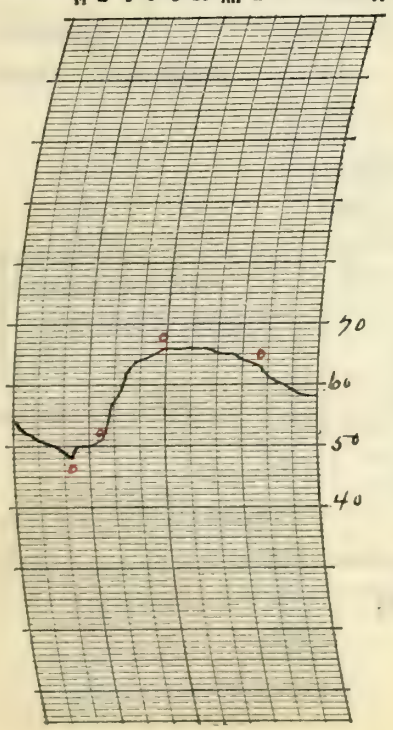
| | Maximum Temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|---|
| | 66 | 48 | 57 | |

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., T ins.
Total precipitation, midnight to midnight, T inches.
Character of day, P+ Cloudy Moon phase,
Average daily cloudiness (0-10), 7
Actual sunshine, hours, 4.9 Possible sunshine, hours, 11.9
Per cent of possible sunshine, 41
Prevailing wind direction, SW Total wind, 150
Average hourly velocity, 6.2 Extreme velocity, 15
Maximum velocity, 15 Direction, SW
Time began, 10:51 a.m.
Reduced barometer, 30.05 7 a. m. 29.90 7 p. m.
River gage, 7.6 feet
Relative humidity, 92 7 a. m. 84 7 p. m.

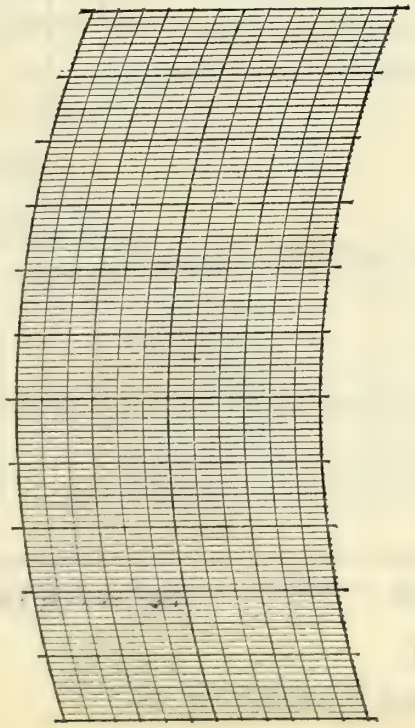
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 66.2 Wet temperature, 59.9
Dew-point, 55 R. humidity, 68 V. pressure, 4.32
Clouds: Amount, 6/3 a St; Kind, St Cu; Direction, W
Velocity of clouds (miles per hour)

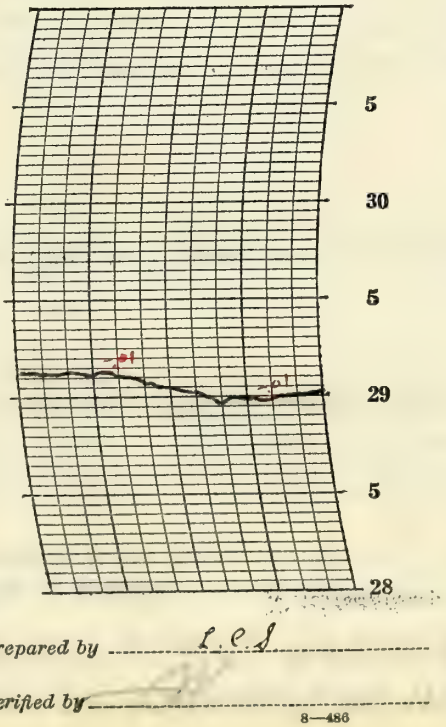
THERMOGRAPH




THERMOGRAPH




BAROGRAPH.




Prepared by L C J

Verified by

8—486

## NOTES

Light fog began during the early morning hours and continued to 6:40 a.m. Flying conditions were very good all day. ◊ Interpolated pen not writing. Light frost Warning of day before last did not verify.

Form No. 1014—Met'1

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Friday, (Date) SEP 29 1933, 193

Time (local standard) 90 mer. normal time.

| | A.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 | P.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Temperature at end of hour (58) | 56 | 54 | 54 | 52 | 52 | 50 | 51 | 55 | 60 | 63 | 65 | 67 | 69 | 70 | 70 | 71 | 69 | 66 | 64 | 62 | 60 | 59 | 58 | 57 |
| State of weather. Nature of precipitation and time of beginning and ending | | | | | | | | | | | | | | | | | | | | | | | | |
| Amounts of precipitation | T | | | trace | | | | | | | | | | | | | | | | | | | | |
| Cloudiness and other conditions | | | | | | ← | | | | | | Clear | | | | | | | | | → | | | |
| Sunrise: Time, Character, 5:36 Clear. Moonrise: | | | | | | | | | | | | | | | | | | | | | Sunset: Time, Character, 5:27 Clear. Moonset: | | | |
| Sunshine (in tenths of hours) | | | | | | .4 0 | 1.0 0 | 0.6 0.4 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 0.9 0.1 | .5 0 | | | | | | |
| Wind direction | NW | NW | NW | NW | NW | NW | NW | NW | W | W | W | W | NW | NW | W | W | W | S | S | S | SE | SE | SE | SE |
| Wind movement | 5 | 6 | 4 | 4 | 3 | 2 | 4 | 6 | 6 | 5 | 6 | 7 | 7 | 5 | 6 | 4 | 6 | 6 | 6 | 7 | 8 | 8 | 8 | 8 |
| Maximum velocities (exceeding 24 miles) direction and time | | | | | | | | | | | | | | | | | | | | | | | | |

Wind data corrected to true velocity.

| | Total duration. From— | To— | Total amount of precipitation. | Excessive rate. Began— | Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Excessive precipitation, accumulated amounts | | | | | | | | | | | | | | | | | | | | |

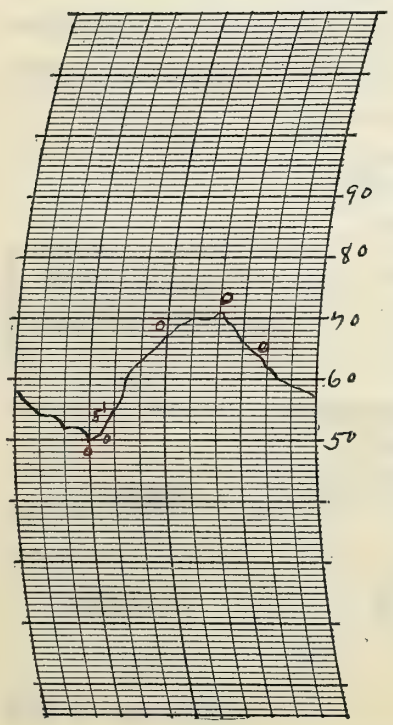
| Maximum Temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 71 | 50 | 60 | |

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Clear Moon phase,
Average daily cloudiness (0-10), 0
Actual sunshine, hours, 11.8 Possible sunshine, hours, 11.8
Per cent of possible sunshine, 100
Prevailing wind direction, NW Total wind, 137
Average hourly velocity, 5.7 Extreme velocity, 9
Maximum velocity, 9 Direction, SE
Time began, 9:15 p.m.
Reduced barometer, 30.02 7 a. m. 29.98 7 p. m.
River gage, 7.7 feet
Relative humidity, 94 7 a. m. 49 7 p. m.

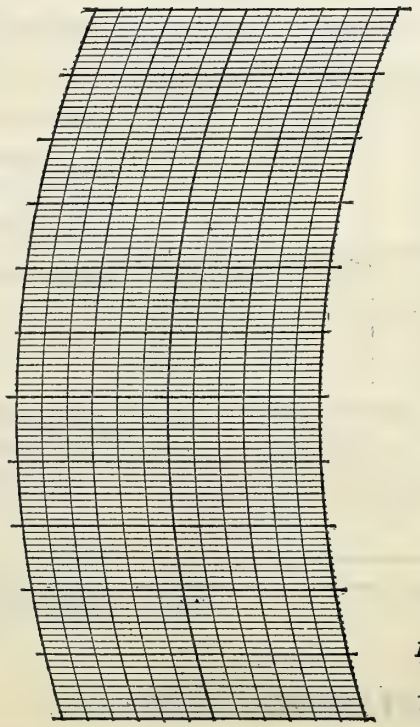
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 67.1 Wet temperature, 58.1
Dew-point, 52 R. humidity, 58 V. pressure, 387
Clouds: Amount, 0; Kind, 0; Direction, 0
Velocity of clouds (miles per hour)

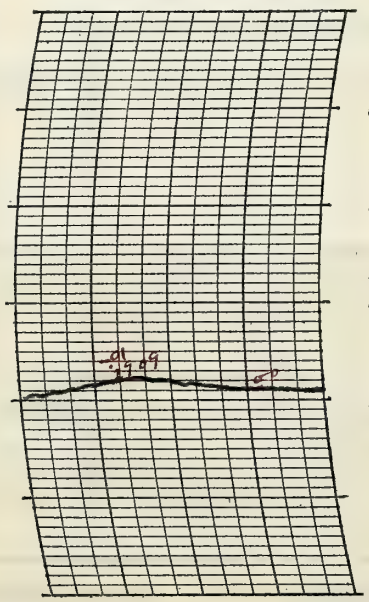
THERMOGRAPH




THERMOGRAPH




BAROGRAPH.




Prepared by L. E. S.

Verified by W.

8—486

## NOTES

Flying conditions were excellent.

Form No. 1014—Met'1

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Saturday, (Date) SEP 30 1933, 193

Time (local standard) 90 mer. normal time.

| | A.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 | P.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Temperature at end of hour (57) | 57 | 56 | 56 | 55 | 54 | 53 | 55 | 60 | 65 | 69 | 72 | 74 | 76 | 78 | 79 | 79 | 80 | 78 | 77 | 76 | 76 | 67 | 66 | 66 |
| State of weather. Nature of precipitation and time of beginning and ending | | | | | | | | | | | | | | | | | | | | | | RB 9:25 | | R cont'd |
| Amounts of precipitation | | | | | | | | | | | | | | | | | | | | | | .67 | .10 | .07 |
| Cloudiness and other conditions | | | | | | ← Clear | | | | × Cloudy | | × P+Cloudy | | | | | | → Clear | | × Cloudy → | | | | |
| | Sunrise: Time, 5:37 Character, Clear. Moonrise: | | | | | | Ci | | | | | acu + cu | | | | | | | St | | | Sunset: Time, 5:25 Character, Cloudy. Moonset: | | | |
| Sunshine (in tenths of hours) | | | | | | 3.8 0 | 1.0 0 | 0.3 0.7 | 0.7 | 1.0 | 0.5 | 0.2 | 0.6 | 0.9 | 0.3 | 0 | 0 | 0 | | | | | | |
| Wind direction | SE | SE | S | S | S | SE | SE | S | S | S | S | S | S | S | S | S | S | S | S | S | SW | NW | SW | SW |
| Wind movement | 7 | 9 | 8 | 5 | 5 | 7 | 6 | 9 | 12 | 15 | 15 | 13 | 16 | 18 | 16 | 15 | 14 | 14 | 13 | 15 | 16 | 15 | 9 | 9 |
| Maximum velocities (exceeding 24 miles) direction and time | | | | | | | | | | | | | | | | | | | | | | | | |

Wind data corrected to true velocity.

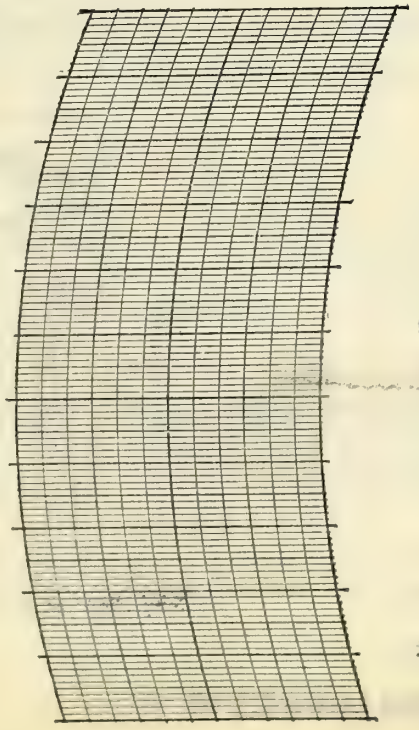
| | Total duration. From— | To— | Total amount of precipitation. | Excessive rate. Began— | Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Excessive precipitation, accumulated amounts | 9:25 P | Aft. 1 on A.M. | 1.13 | 9:27 P | 10:01 P | .01 | .13 | .20 | .28 | .39 .62 .68 | .52 | .62 | .68 | .70 | .71 | .71 | .72 | .73 | .78 | .80 |

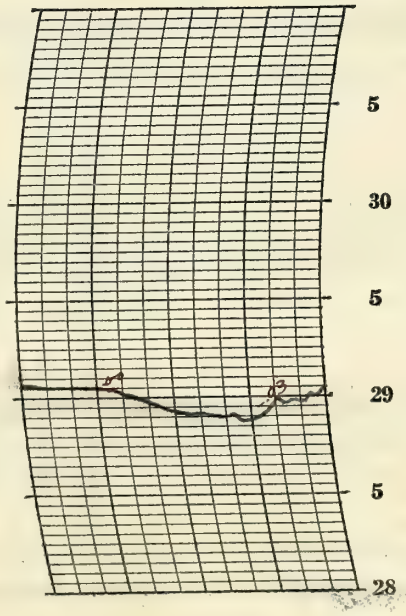
| Maximum Temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 80 | 53 | 66 | |

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0.84 inches.
Character of day, P+Cloudy, Moon phase,
Average daily cloudiness (0-10), 5
Actual sunshine, hours, 6.6 Possible sunshine, hours, 11.8
Per cent of possible sunshine, 56
Prevailing wind direction, S Total wind, 281
Average hourly velocity, 11.7 Extreme velocity, 22
Maximum velocity, 21 Direction, S
Time began, 1:45 p.m.
Reduced barometer, 29.97 7 a. m. 29.78 7 p. m.
River gage, 7.7 feet
Relative humidity, 76 7 a. m. 74 7 p. m.

OBSERVATIONS AT 12 NOON.
(Local Mean Time.)
Dry temperature, 74.0 Wet temperature, 66.5
Dew-point, 63 R. humidity, 68 V. pressure, 29.75
Clouds: Amount, 3 (5 / 3); Kind, Cu (Cu / Cu); Direction, S (W / W)
Velocity of clouds (miles per hour)

THERMOGRAPH
M 2 4 6 8 10 XII 2 4 6 8 10 M
80 70 60 50




Prepared by R. C. S.

Verified by

8—486

## NOTES

Flying conditions were excellent all day. Moderate thunderstorm with heavy rain in the evening. Thunder first heard at 9:45 P.M. and believed to have last occurred 0 N P. No damage reported.

Form No. 1014—Met'1

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Sunday, (Date) OCT 1 1933, 193

Time (local standard) 90 mer. normal time.

| | A. M. | | | | | | | | | | | | P. M. | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 | 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 |
| Temperature at end of hour (66) | 62 | 60 | 58 | 58 | 58 | 58 | 57 | 58 | 60 | 63 | 64 | 66 | 64 | 62 | 62 | 62 | 59 | 56 | 55 | 53 | 52 | 51 | 50 | 48 |
| State of weather. Nature of precipitation and time of beginning and ending | R Cont'd | | | | RE O.N.H. | | | | | | | | | | | | | | | | | | | |
| Amounts of precipitation | .08 | .01 | .14 | .06 | T | | | | | | | | | | | | | | | | | | | |
| Cloudiness and other conditions | | | | | | ← Cloudy → | | | | | ← P+Cloudy → | | | | | | | ← Clear → | | | | | | |
| | Sunrise: Time, 5:38 Character, Cloudy Moonrise: | | | | | ci, ci cu, as+, st | | | | | | ci, ci cu, cu | | | | | | ci st | | | Sunset: Time, 5:23 Character, Clear Moonset: | | | |
| Sunshine (in tenths of hours) | | | | | | 0 | 0 | 0 | 0.4 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 0.6 | 0.8 0.2 | .38 0 | | | | | | |
| Wind direction | NW | NW | NW | NW | W | NW | NW | NW | NW | NW | NW | NW | NW | NW | NW | NW | NW | NW | NW | NW | N | N | N | N |
| Wind movement | 12 | 9 | 8 | 7 | 7 | 8 | 9 | 8 | 9 | 11 | 12 | 13 | 14 | 14 | 14 | 13 | 12 | 10 | 7 | 5 | 6 | 4 | 3 | 2 |
| Maximum velocities (exceeding 24 miles) direction and time | 26 W 12:23 | | | | | | | | | | | | | | | | | | | | | | | |

Wind data corrected to true velocity.

| | Total duration. From— | Total duration. To— | Total amount of precipitation. | Excessive rate. Began— | Excessive rate. Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Excessive precipitation, accumulated amounts | | | | | | | | | | | | | | | | | | | | |

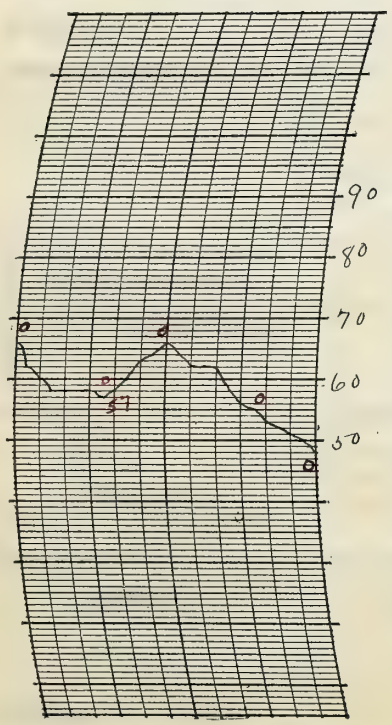
| Maximum Temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 66 | 48 | 57 | |

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 1.13 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0.29 inches.
Character of day, P+ Cloudy Moon phase,
Average daily cloudiness (0-10), 6
Actual sunshine, hours, 8.4 Possible sunshine, hours, 11.8
Per cent of possible sunshine, 71
Prevailing wind direction, NW Total wind, 217
Average hourly velocity, 9.0 Extreme velocity, 31
Maximum velocity, 26 Direction, W
Time began, 12:23 a. m.
Reduced barometer, 30.07 7 a. m. 30.30 7 p. m.
River gage, 7.8 feet
Relative humidity, 75 7 a. m. 61 7 p. m.

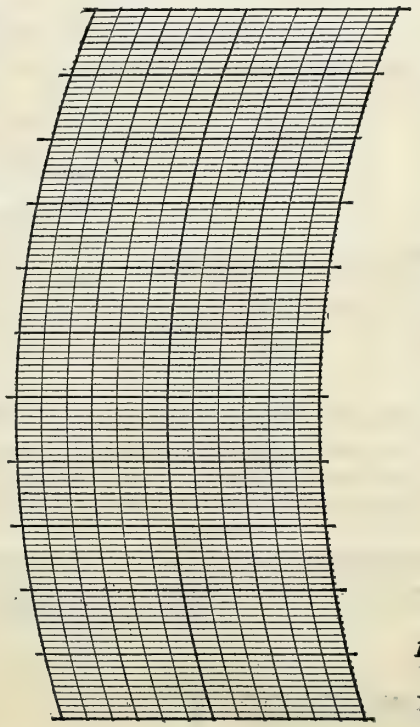
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 66.0 Wet temperature, 54.5
Dew-point, 45 R. humidity, 47 V. pressure, 29.8
Clouds: Amount, 4/2/1; Kind, ci/ci cu/cu Direction, W/W/NW
Velocity of clouds (miles per hour)

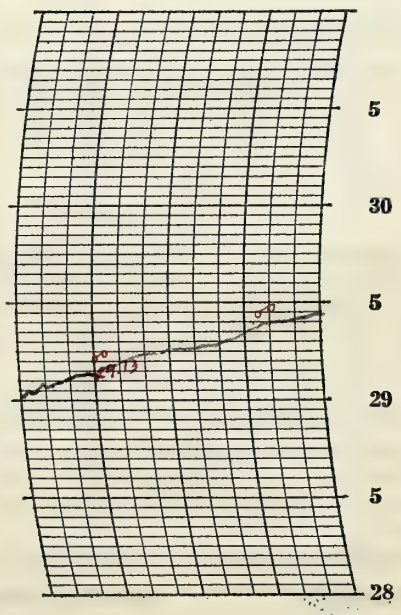
THERMOGRAPH




THERMOGRAPH




BAROGRAPH.




Prepared by L. C. S.

Verified by W.

8—486

## NOTES

Flying conditions were excellent all day.

Solar Halo observed from 9:00 A to 3:00 P was very bright from 11:00 A to 1:00 P

Form No. 1014—Met'l

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Monday, (Date) OCT 2 1933, 193

Time (local standard) 90 mer. normal time.

| | A.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 | P.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Temperature at end of hour (48) | 47 | 46 | 46 | 46 | 45 | 44 | 47 | 54 | 58 | 60 | 61 | 62 | 64 | 65 | 64 | 64 | 64 | 61 | 60 | 59 | 57 | 56 | 54 | 53 |
| State of weather. Nature of precipitation and time of beginning and ending | | | | | | | | | | | | | | | | | | | | | | | | |
| Amounts of precipitation | | | | | | | | | | | | | | | | | | | | | | | | |
| Cloudiness and other conditions | | | | | | | | 5+Cu | | | | a Cu | | | | | | | a+ci Cu | | | | | |
| Sunshine (in tenths of hours) | | | | | | .35 0 | 1.0 0 | 0.4 0.4 | 1.0 | 0.9 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 0 | .37 0 | | | | | | |
| Wind direction | N | N | N | N | N | N | N | N | NW | W | NW | NW | N | N | N | N | N | NE | NE | NE | NE | NE | NE | NE |
| Wind movement | 3 | 3 | 3 | 2 | 3 | 3 | 4 | 4 | 4 | 5 | 5 | 6 | 8 | 8 | 8 | 8 | 6 | 5 | 3 | 5 | 2 | 3 | 2 | 2 |
| Maximum velocities (exceeding 24 miles) direction and time | | | | | | | | | | | | | | | | | | | | | | | | |

Sunrise: Time, 5:39 Character, Clear. Moonrise:

Sunset: Time, 5:22 Character, Clear. Moonset:

Wind data corrected to true velocity.

| Total duration. From— | To— | Total amount of precipitation. | Excessive rate. Began— | Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | | | | | |

Excessive precipitation, accumulated amounts

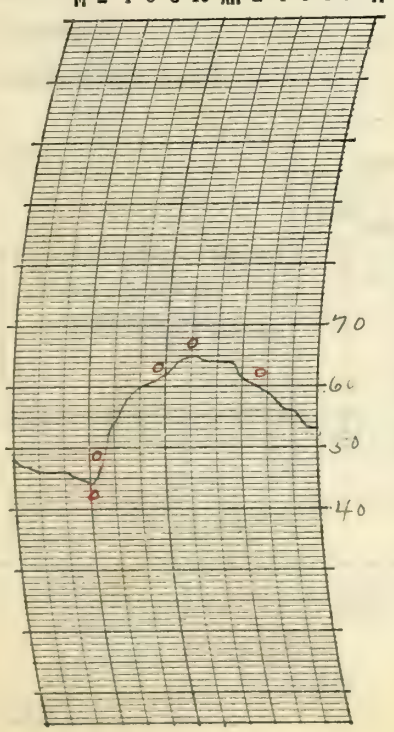
| Maximum Temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 65 | 44 | 54 | |

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Clear Moon phase,
Average daily cloudiness (0-10), 1
Actual sunshine, hours, 11.4 Possible sunshine, hours, 11.7
Per cent of possible sunshine, 97
Prevailing wind direction, N Total wind, 105
Average hourly velocity, 4.4 Extreme velocity, 11
Maximum velocity, 11 Direction, N
Time began, 2:22 P.m.
Reduced barometer, 30.44 7a. m. 30.40 7p. m.
River gage, 7.8 feet
Relative humidity, 85 7a. m. 56 7p. m.

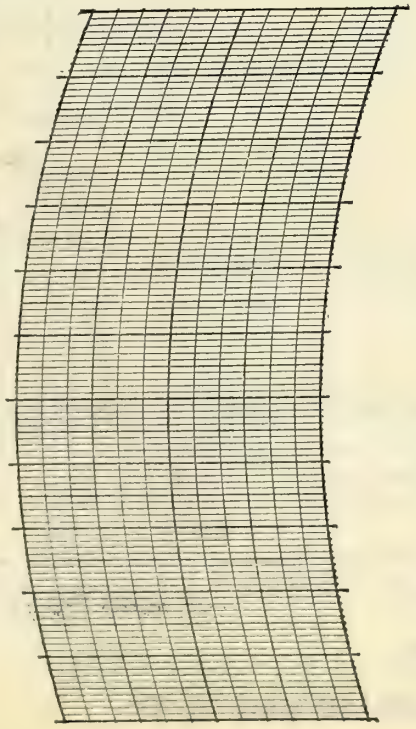
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 62.1 Wet temperature, 50.1
Dew-point, 38 R. humidity, 41 V. pressure, .228
Clouds: Amount, 1; Kind, a Cu; Direction, N
Velocity of clouds (miles per hour)

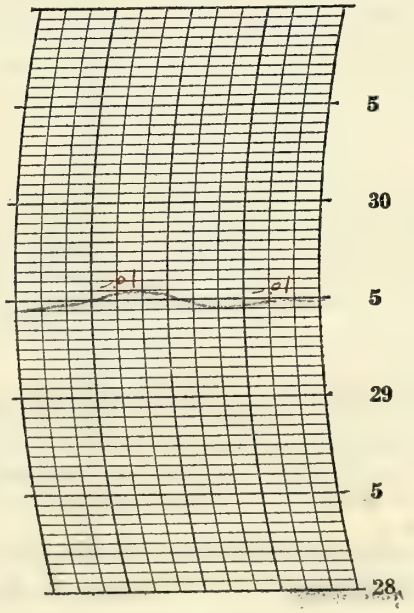
THERMOGRAPH




THERMOGRAPH




BAROGRAPH.




Prepared by L. C. S.

Verified by

8—486

## NOTES

Light fog began at 8:00 P. and continued over into the following day.
Light frost occurred on the surrounding lowlands during early morning hours.
A faint Lunar Halo was observed at 6:15 P and continued at intervals ending P.M.P.
Flying conditions were excellent during the day.
Light smoke in early Morning

Form No. 1014—Met'1

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Tuesday, (Date) OCT 3 1933, 193

Time (local standard) 90 mer. normal time.

| | A.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 | P.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Temperature at end of hour (53) | 52 | 51 | 50 | 49 | 48 | 47 | 49 | 56 | 59 | 61 | 63 | 65 | 66 | 67 | 67 | 68 | 66 | 64 | 62 | 60 | 58 | 57 | 56 | 55 |
| State of weather. Nature of precipitation and time of beginning and ending | | | | | | | | | | | | | | | | | | | | | | | | |
| Amounts of precipitation | | | | | | | | | | | | | | | | | | | | | | | | |
| Cloudiness and other conditions | | | | | | ← | | | | | Clear | | | | | | | | | × Pt Cloudy | → | | | |
| | | | | | | | Ci | | | | | Ci | | | | | | | aCu | | | | | |
| Sunshine (in tenths of hours) | | | | | | .33 0 | 1.0 0 | 0.7 0.3 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 0.1 0.8 | 1.0 0 | .33 0 | | | | | | |
| Wind direction | NE | NE | O | NE | NE | NE | NE | NE | E | E | SE | NE | E | SE | E | NE | E | E | NE | NE | NE | E | E | E |
| Wind movement | 2 | 2 | 1 | 2 | 2 | 3 | 4 | 4 | 8 | 6 | 9 | 8 | 8 | 7 | 7 | 7 | 5 | 5 | 6 | 4 | 4 | 4 | 5 | 3 |
| Maximum velocities (exceeding 24 miles) direction and time | | | | | | | | | | | | | | | | | | | | | | | | |

Sunrise: Time, 5:40 Character, Clear

Moonrise:

Sunset: Time, 5:20 Character, Clear

Moonset:

Wind data corrected to true velocity.

| Total duration. From— | To— | Total amount of precipitation. | Excessive rate. Began— | Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | | | | | |

Excessive precipitation, accumulated amounts

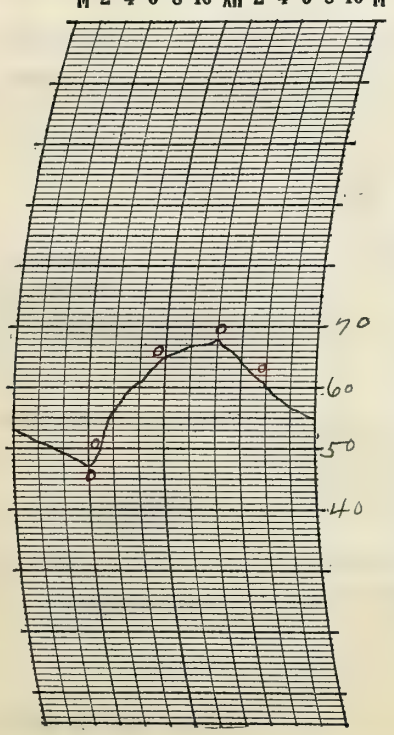
| | |
|---|---|
| Maximum Temperature. | 68 |
| Minimum temperature. | 47 |
| Mean temperature. | 58 |
| Normal temperature. | |

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Clear Moon phase,
Average daily cloudiness (0-10), 1
Actual sunshine, hours, 11.6 Possible sunshine, hours, 11.7
Per cent of possible sunshine, 99
Prevailing wind direction, NE Total wind, 116
Average hourly velocity, 4.8 Extreme velocity, 10
Maximum velocity, 10 Direction, SE
Time began, 12:31 PM
Reduced barometer, 30.40 7 a. m. 30.22 7 p. m.
River gage, 7.3 feet
Relative humidity, 80 7 a. m. 51 7 p. m.

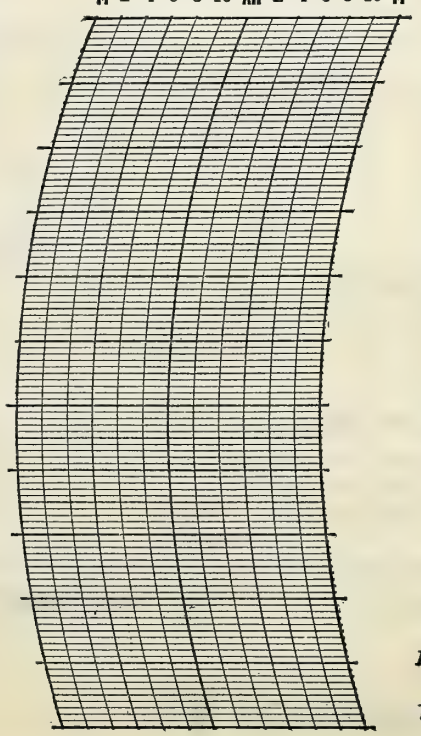
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 65.0 Wet temperature, 52.0
Dew-point, 40 R. humidity, 40 V. pressure, .247
Clouds: Amount, Few; Kind, Ci; Direction, NW?
Velocity of clouds (miles per hour)

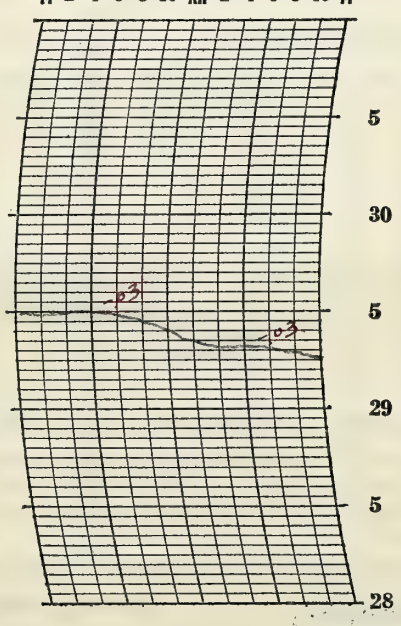
THERMOGRAPH




THERMOGRAPH




BAROGRAPH.




Prepared by L.C.S.

Verified by

8—486

## NOTES

Light fog from day before continued to 6:00 A.M.

Flying conditions were excellent during the day.

Light smoke in early morning

Light frost in muck lowlands

Form No. 1014—Met'1

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Wednesday, (Date) OCT 4 1933, 193

Time (local standard) 90 mer. normal time.

| | A.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 | P.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Temperature at end of hour (55) | 54 | 53 | 52 | 50 | 49 | 50 | 51 | 54 | 60 | 65 | 67 | 68 | 70 | 72 | 70 | 66 | 61 | 58 | 56 | 53 | 51 | 50 | 49 | 48 |
| State of weather. Nature of precipitation and time of beginning and ending | | | | | | | | | | | | | | | | | | | | | | | | |
| Amounts of precipitation | | | | | | | | | | | | | | | | | | | | | | | | |
| Cloudiness and other conditions | | | | | | ← Cloudy | | | | | | × Clear → | | | | | | | | | | | | |
| | | | | | | | ci+acu | | | | | ci st | | | | | | | | | | | | |
| Sunrise: Time, Character, 5:41 Clear (until 7:05) Moonrise: | | | | | | | | | | | | | | | | | | | | | Sunset: Time, Character, 5:19 Clear Moonset: | | | |
| Sunshine (in tenths of hours) | | | | | | .32 0 | 1.0 0 | 0.1 0.1 | 0.2 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 0.5 0.5 | 1.0 0 | .32 0 | | | | | | |
| Wind direction | E | E | E | E | 0 | E | E | E | NE | W | W | W | W | W | W | NW | NW | NW | NW | NW | NW | NW | NW | N |
| Wind movement | 3 | 2 | 2 | 2 | 1 | 3 | 3 | 5 | 5 | 9 | 10 | 10 | 12 | 14 | 15 | 15 | 14 | 12 | 14 | 12 | 10 | 9 | 9 | 10 |
| Maximum velocities (exceeding 24 miles) direction and time | | | | | | | | | | | | | | | | | | | | | | | | |

| Maximum Temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 72 | 48 | 60 | |

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Pt Cloudy Moon phase,
Average daily cloudiness (0-10), 4
Actual sunshine, hours, 10.0 Possible sunshine, hours, 11.6
Per cent of possible sunshine, 86
Prevailing wind direction, NW Total wind, 201
Average hourly velocity, 8.4 Extreme velocity, 20
Maximum velocity, 19 Direction, NW
Time began, 3:49 pm
Reduced barometer, 30.09 7 a. m. 30.01 7 p. m.
River gage, 6.1 feet
Relative humidity, 81 7 a. m. 68 7 p. m.

Wind data corrected to true velocity.

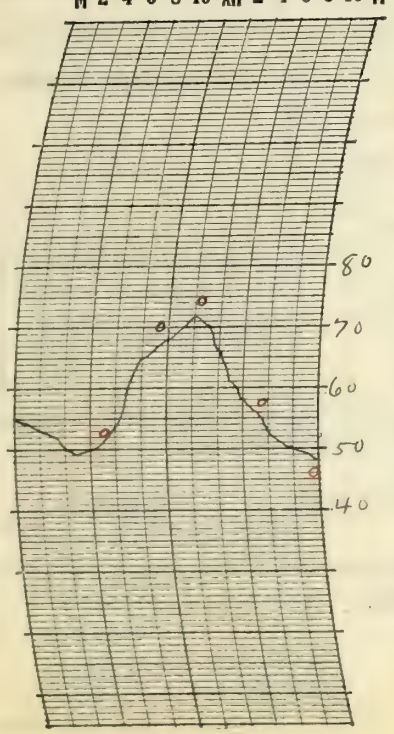
| Total duration. From— | To— | Total amount of precipitation. | Excessive rate. Began— | Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | | | | | |

Excessive precipitation, accumulated amounts

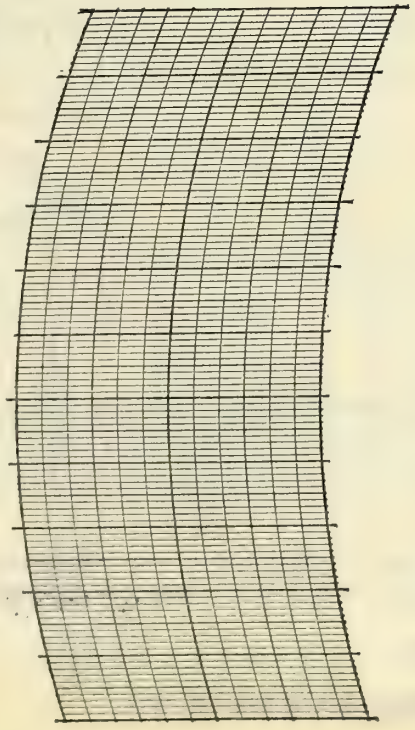
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 68.5 Wet temperature, 56.0
Dew-point, 46 R. humidity, 45 V. pressure, .310
Clouds: Amount, few; Kind, Ci St; Direction, ?
Velocity of clouds (miles per hour)

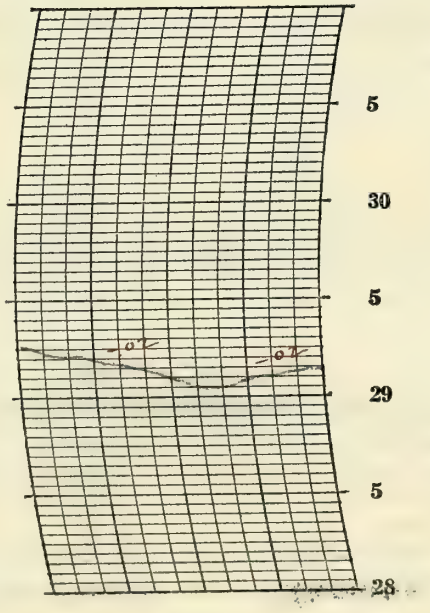
THERMOGRAPH




THERMOGRAPH




BAROGRAPH.




Prepared by L.C.J.

Verified by

8—486

## NOTES

Light smoke in early morning
Light frost in much lowlands
Flying condition excellent all day.

Form No. 1014—Met'1

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Thursday, (Date) OCT 5 1933, 193

Time (local standard) 90 mer. normal time.

| | A.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Temperature at end of hour (48) | 47 | 46 | 45 | 45 | 44 | 43 | 44 | 48 | 52 | 54 | 55 | 56 |
| State of weather: Nature of precipitation and time of beginning and ending | | | | | | | | | | | | |
| Amounts of precipitation | | | | | | | | | | | | |
| Cloudiness and other conditions | | | | | | ← | | Clear | × | P+Cloudy | | a Cu |
| Sunrise: Time, 5:42 Character, Clear | | | | | | | | | | | | |
| Moonrise: | | | | | | | | | | | | |
| Sunshine (in tenths of hours) | | | | | | .3 0 | 1.0 0 | 0.6 2.4 | 1.0 | 1.0 | 0.8 | 0.7 |
| Wind direction | N | N | N | N | N | N | N | N | N | N | N | N |
| Wind movement | 8 | 9 | 6 | 6 | 4 | 4 | 7 | 9 | 9 | 9 | 9 | 8 |
| Maximum velocities (exceeding 24 miles) direction and time | | | | | | | | | | | | |

| | P.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Temperature at end of hour | 58 | 59 | 59 | 60 | 59 | 57 | 56 | 54 | 51 | 50 | 49 | 48 |
| State of weather: Nature of precipitation and time of beginning and ending | | | | | | | | | | | | |
| Amounts of precipitation | | | | | | | | | | | | |
| Cloudiness and other conditions | | | × | Clear | | | | | | → | | |
| Sunset: Time, 5:17 Character, Clear | | | | | | | | | | | | |
| Moonset: | | | | | | | | | | | | |
| Sunshine (in tenths of hours) | 0.8 | 0.6 | 1.0 | 0.3 0.7 | 1.0 0 | .28 0 | | | | | | |
| Wind direction | NW | N | NW | N | N | N | N | 0 | N | 0 | N | N |
| Wind movement | 7 | 7 | 8 | 7 | 7 | 4 | 3 | 1 | 2 | 1 | 2 | 2 |
| Maximum velocities (exceeding 24 miles) direction and time | | | | | | | | | | | | |

Wind data corrected to true velocity.

| | Total duration. From— | To— | Total amount of precipitation. | Excessive rate. Began— | Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Excessive precipitation, accumulated amounts | | | | | | | | | | | | | | | | | | | | |

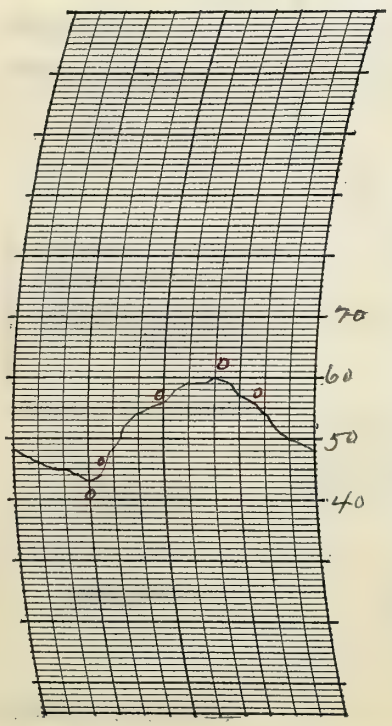
| Maximum Temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 60 | 43 | 52 | |

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Clear Moon phase,
Average daily cloudiness (0-10), 2
Actual sunshine, hours, 10.5 Possible sunshine, hours, 11.6
Per cent of possible sunshine, 91
Prevailing wind direction, N Total wind, 139
Average hourly velocity, 5.8 Extreme velocity, 12
Maximum velocity, 12 Direction, NW
Time began, 10:10 a.m.
Reduced barometer, 30.07 7 a. m. 30.01 7 p. m.
River gage, 4.2 feet
Relative humidity, 85 7 a. m. 61 7 p. m.

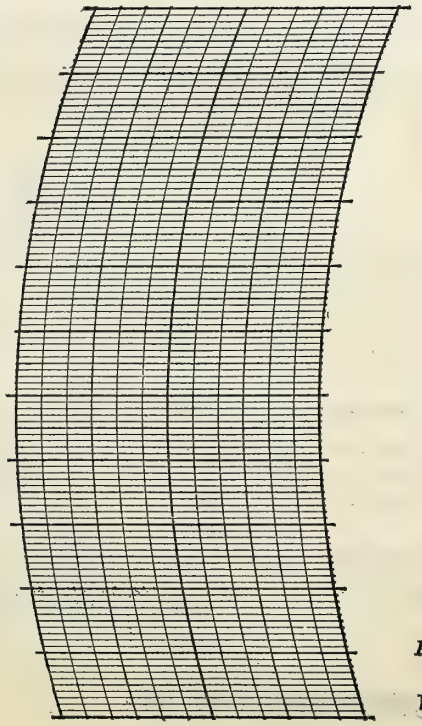
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 56.0 Wet temperature, 48.3
Dew-point, 41 R. humidity, 57 V. pressure, .256
Clouds: Amount, 6; Kind, a Cu; Direction, N
Velocity of clouds (miles per hour)

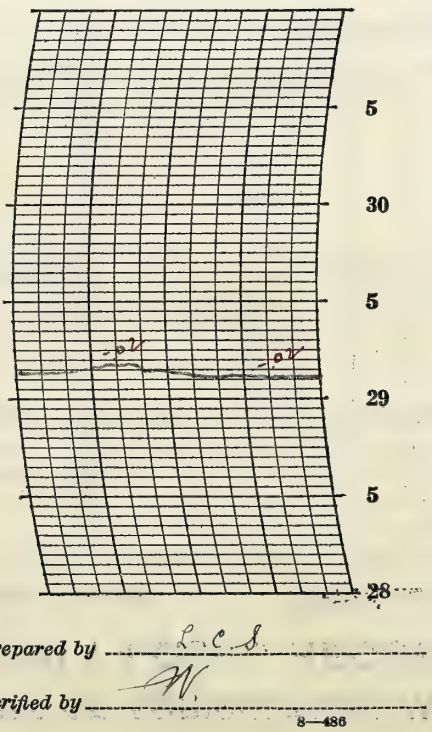
THERMOGRAPH




THERMOGRAPH




BAROGRAPH.




Prepared by L. C. S.

Verified by W.

8—486

## NOTES

Light frost in much lowlands.
Frost Warning received and released to newspapers, radio stations and published on daily bulletins and called to special list at 8:30 P.M.
Light local smoke in early evening.
Light ground fog began at 7:15 P.M and continued into following day.
Flying conditions were excellent

Form No. 1014—Met'l

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Friday, (Date) OCT 6 1933, 193

Time (local standard) 90 mer. normal time.

| | A.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 | P.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Temperature at end of hour (48) | 47 | 46 | 45 | 44 | 45 | 44 | 44 | 52 | 56 | 59 | 60 | 62 | 64 | 64 (66) | 65 | 64 | 64 | 62 | 60 | 58 | 56 | 55 | 56 | 54 |
| State of weather. Nature of precipitation and time of beginning and ending | | | | | | | | | | | Clear | | | | | | | | | x Cloudy | | | | |
| Amounts of precipitation | | | | | | | | | | | | | | | | | | | | | | | | |
| Cloudiness and other conditions | | | | | | | | | | | | | | | | | | a cu | | | | | | |
| Sunshine (in tenths of hours) | | | | | | .28 0 | 1.0 0 | 1.0 0 | 0.3 0.7 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 0.9 0.1 | .25 0 | | | | | | |
| Wind direction | N | 0 | N | N | N | N | 0 | N | SW | S | S | S | SW | SW | SW | S | S | SW | S | S | S | S | SE | SE |
| Wind movement | 2 | 1 | 3 | 2 | 3 | 2 | 1 | 5 | 6 | 9 | 9 | 11 | 10 | 9 | 9 | 9 | 7 | 5 | 5 | 4 | 5 | 7 | 7 | 8 |
| Maximum velocities (exceeding 24 miles) direction and time | | | | | | | | | | | | | | | | | | | | | | | | |

Sunrise: Time, 5:43 Character, Clear
Moonrise:

Sunset: Time, 5:15 Character, Clear
Mocnset:

Wind data corrected to true velocity.

Excessive precipitation, accumulated amounts

| Total duration. From— | To— | Total amount of precipitation. | Excessive rate. Began— | Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | | | | | |

| Maximum Temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 66 | 44 | 55 | |

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Clear Moon phase,
Average daily cloudiness (0-10), Few
Actual sunshine, hours, 11.5 Possible sunshine, hours, 11.5
Per cent of possible sunshine, 100
Prevailing wind direction, S Total wind, 139
Average hourly velocity, 5.8 Extreme velocity, 13
Maximum velocity, 13 Direction, S
Time began, 11:28A
Reduced barometer, 30.01 7 a. m. 29.84 7 p. m.
River gage, 2.7 feet
Relative humidity, 89 7 a. m. 61 7 p. m.

OBSERVATIONS AT 12 NOON.
(Local Mean Time.)
Dry temperature, 62.0 Wet temperature, 52.2
Dew-point, 43 R. humidity, 51 V. pressure, .277
Clouds: Amount, 0; Kind, 0; Direction, 0
Velocity of clouds (miles per hour)

THERMOGRAPH
M 2 4 6 8 10 XII 2 4 6 8 10 M
70 60 50 40

THERMOGRAPH
M 2 4 6 8 10 XII 2 4 6 8 10 M

BAROGRAPH.
M 2 4 6 8 10 XII 2 4 6 8 10 M
5 30 5 29 5 28

Prepared by L. C. S.
Verified by

8—486

## NOTES

Light local smoke in morning. Light frost in lowlands. Light ground fog continuing from day before ended at 6:00 A Fog began again at 5:30 P.M. and continued into the following day.
Flying conditions excellent from 6:00 am to 5:30 P.M then poor outside this time

Form No. 1014—Met'1

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Saturday, (Date) OCT 7 1933, 193

Time (local standard) 90° mer. normal time.

| | A.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 | P.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Temperature at end of hour (54) | 54 | 54 | 54 | 53 | 52 | 52 | 51 | 52 | 52 | 52 | 52 | 54 | 59 | 57 | 56 | 55 | 54 | 51 | 49 | 47 | 46 | 45 | 44 | 44 |
| State of weather. Nature of precipitation and time of beginning and ending | | | RB DN.R. | | | | | | | | RE 10:30 | | | | | | | | | | | | | |
| Amounts of precipitation | | | T | .05 | .06 | .03 | .02 | .01 | .02 | .05 | .01 | | | | | | | | | | | | | |
| Cloudiness and other conditions | | | | | | ← | Cloudy | | | | | × P+ Cloudy acu +St+Sc | | | | ← | Clear | | | | → | | | |
| Sunrise: Time, 5:44 Character, Cloudy | | | | | | | St + Fog | | | | | | | | | | | | | | Sunset: Time, 5:14 Character, Clear | | | |
| Moonrise: | | | | | | | | | | | | | | | | | | | | | Moonset: | | | |
| Sunshine (in tenths of hours) | | | | | | 0 | 0 | 0 | 0 | 0 | 0 | 0.5 | 1.0 | 0.3 | 0.5 | 0.5 0.2 | 1.0 0 | .23 0 | | | | | | |
| Wind direction | W | W | N | E | E | E | SE | E | SE | SE | W | NW | NW | W | NW | W | W | NW | NW | NW | NW | W | W | W |
| Wind movement | 7 | 5 | 4 | 6 | 5 | 6 | 8 | 8 | 6 | 8 | 9 | 9 | 9 | 13 | 14 | 12 | 11 | 9 | 5 | 5 | 6 | 5 | 5 | 6 |
| Maximum velocities (exceeding 24 miles) direction and time | | | | | | | | | | | | | | | | | | | | | | | | |

Wind data corrected to true velocity.

| Excessive precipitation, accumulated amounts | Total duration. From— | To— | Total amount of precipitation. | Excessive rate. Began— | Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | | | | | | |

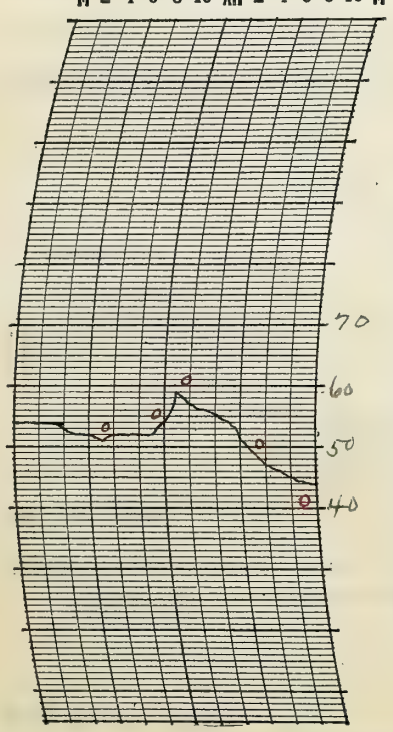
| Maximum Temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 59 | 44 | 52 | |

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0.16 ins.; to 7 p. m., .09 ins.
Total precipitation, midnight to midnight, .25 inches.
Character of day, P+ Cloudy Moon phase,
Average daily cloudiness (0-10), 6
Actual sunshine, hours, 4.2 Possible sunshine, hours, 11.5
Per cent of possible sunshine, 37
Prevailing wind direction, W Total wind, 181
Average hourly velocity, 7.5 Extreme velocity, 19
Maximum velocity, 18 Direction, NW
Time began, 1:57 PM
Reduced barometer, 29.65 7 a. m. 29.64 7 p. m.
River gage, 1.7 feet
Relative humidity, 94 7 a. m. 80 7 p. m.

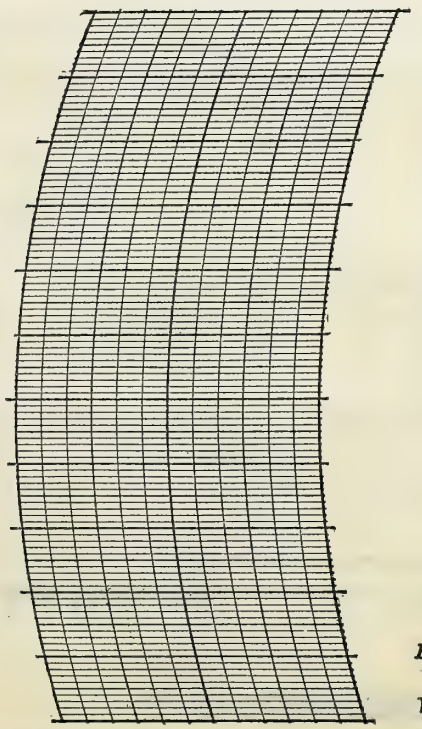
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 54.0° Wet temperature, 49.5
Dew-point, 46 R. humidity, 73 acu V. pressure, .310 N
Clouds: Amount, 3 3; Kind, ~~St Cu~~; Direction, N
Velocity of clouds (miles per hour)

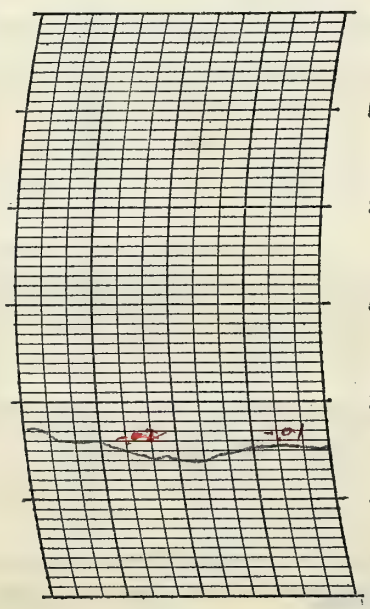
THERMOGRAPH




THERMOGRAPH




BAROGRAPH.




Prepared by L. C. S.

Verified by W.

8—486

## NOTES

Light fog continued from day before and ended at 10:00 a.m.
Flying conditions were poor to 10:00 a.m. after which they were excellent.

Form No. 1014—Met'1

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Sunday, (Date) OCT 8 1933, 193

Time (local standard) 90mer. normal time.

| | A.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 | P.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Temperature at end of hour (44) | 43 | 42 | 42 | 42 | 42 | 42 | 43 | 44 | 45 | 46 RB 9:54 | 46 | 47 | 49 RE 12:30 | 50 | 51 | 51 | 50 | 50 | 48 | 46 | 46 | 45 RB 9:35 | 44 RE D.N.A. | 45 |
| State of weather. Nature of precipitation and time of beginning and ending | | | | | | | | | | | | | | | | | | | | | | | | |
| Amounts of precipitation | | | | | | | | | | T | .05 | .04 | .01 | | | | | | | | | T | .01 | |
| Cloudiness and other conditions | | | | | | ← | | | | | Cloudy | | → | | | | | | | | | | | |
| Sunrise: Time, Character, 5:45 Cloudy. Moonrise: | | | | | | | St 0409 | | | | | St 0409 | | | | | | | St+Hz | | Sunset: Time, Character, 5:12 Cloudy. Moonset: | | | |
| Sunshine (in tenths of hours) | | | | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | |
| Wind direction | S | S | S | S | S | S | S | S | SE | SE | SE | SE | SE | W | N | N | N | W | W | W | W | W | SW | SW |
| Wind movement | 4 | 6 | 5 | 3 | 4 | 4 | 3 | 3 | 7 | 7 | 6 | 3 | 5 | 4 | 5 | 4 | 4 | 5 | 7 | 5 | 5 | 5 | 9 | 7 |
| Maximum velocities (exceeding 24 miles) direction and time | | | | | | | | | | | | | | | | | | | | | | | | |

Wind data corrected to true velocity.

Excessive precipitation, accumulated amounts

| Total duration. From— | To— | Total amount of precipitation. | Excessive rate. Began— | Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | | | | | |

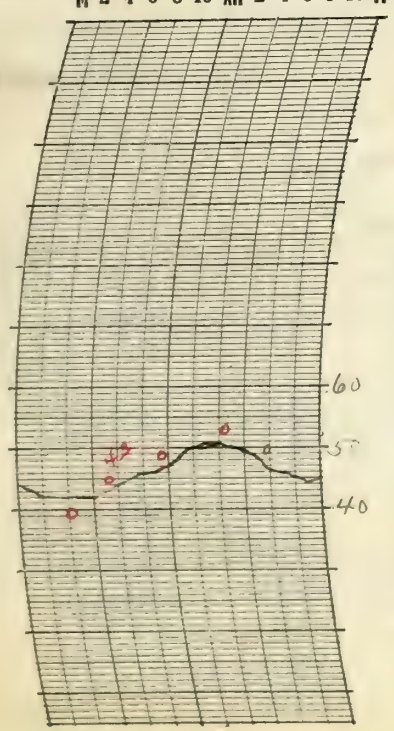
| Maximum Temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 51 | 42 | 46 | |

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., .10 ins.
Total precipitation, midnight to midnight, .11 inches.
Character of day, Cloudy Moon phase,
Average daily cloudiness (0-10), 10
Actual sunshine, hours, 0 Possible sunshine, hours, 11.4
Per cent of possible sunshine, 0
Prevailing wind direction, S Total wind, 120
Average hourly velocity, 5.0 Extreme velocity, 9
Maximum velocity, 9 Direction, SW
Time began, 10:10 P.M.
Reduced barometer, 29.66 7 a. m. 29.78 7 p. m.
River gage, 1.5 feet
Relative humidity, 85 7 a. m. 80 7 p. m.

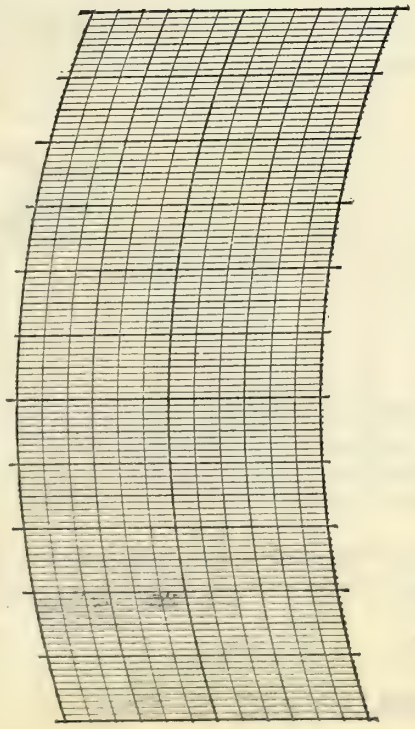
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 46.9 Wet temperature, 44.9
Dew-point, 43 R. humidity, 86 V. pressure, .277
Clouds: Amount, 10; Kind, St; Direction, S
Velocity of clouds (miles per hour)

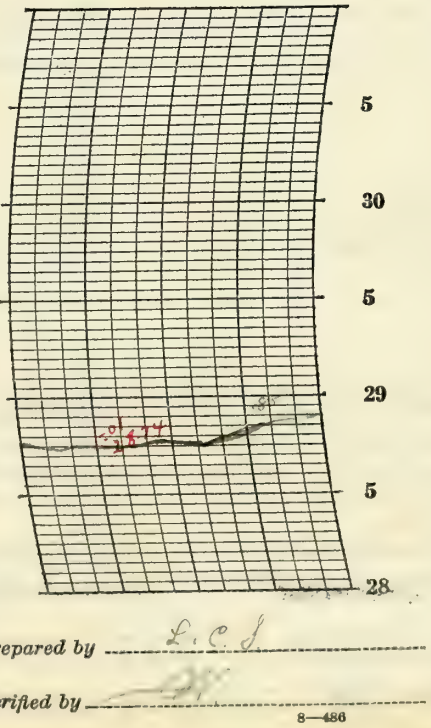
THERMOGRAPH




THERMOGRAPH




BAROGRAPH.




Prepared by L. C. J.

Verified by

8—486

## NOTES

Heavy frost in lowlands in early morning.
Heavy fog began D.N.A and continued so until 9:00 A. Light fog continued from 9:00A to 1:00P.
Flying conditions were poor until noon, ceilings were from 5:00 to 800 ft and visibility 1000 ft to 1 mile in fog.
They were poor in afternoon, ceilings around 2000 ft and visibility 5 miles.

Form No. 1014—Met'l

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Monday, (Date) OCT 9 1933, 193

| Time (local standard) 90 mer. normal time. | A.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 | P.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Temperature at end of hour | 45 | 45 | 45 | 45 | 44 | 42 (41) | 42 | 44 | 45 | 46 | 46 | 48 | 50 | 52 | 54 | 53 | 52 | 50 | 48 | 48 | 48 | 46 | 45 | 46 |
| State of weather. Nature of precipitation and time of beginning and ending | | | | | | ← clear | | | | | | Cloudy → | | | | | | | P+Cloudy | | Cloudy → | | | |
| Amounts of precipitation | | | | | | | Cl + Rain | | | | | about + St Cu | | | | | | | a Cu | | | | | |
| Cloudiness and other conditions | | | | | | | | | | | | | | | | | | | | | | | | |
| Sunrise: Time, 5:46 Character, Clear | | | | | | | | | | | | | | | | | | | | | Sunset: Time, 5:10 Character, Cloudy | | | |
| Moonrise: | | | | | | | | | | | | | | | | | | | | | Moonset: | | | |
| Sunshine (in tenths of hours) | | | | | | .23 0 | 1.0 0 | 0.6 0.7 | 0.4 | 0 | 0 | 0 | 0 | 0.5 | 0.9 | 0 | 0 | 0 | | | | | | |
| Wind direction | SW | SW | W | SW | SW | SW | SW | SW | SW | SW | SW | SW | SW | SW | SW | W | W | W | W | W | W | W | SW | SW |
| Wind movement | 7 | 7 | 7 | 8 | 9 | 8 | 9 | 9 | 10 | 9 | 9 | 8 | 8 | 11 | 10 | 11 | 12 | 9 | 7 | 7 | 7 | 7 | 7 | 8 |
| Maximum velocities (exceeding 24 miles) direction and time | | | | | | | | | | | | | | | | | | | | | | | | |

| Wind data corrected to true velocity. | Total duration. From— | To— | Total amount of precipitation. | Excessive rate. Began— | Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Excessive precipitation, accumulated amounts | | | | | | | | | | | | | | | | | | | | |

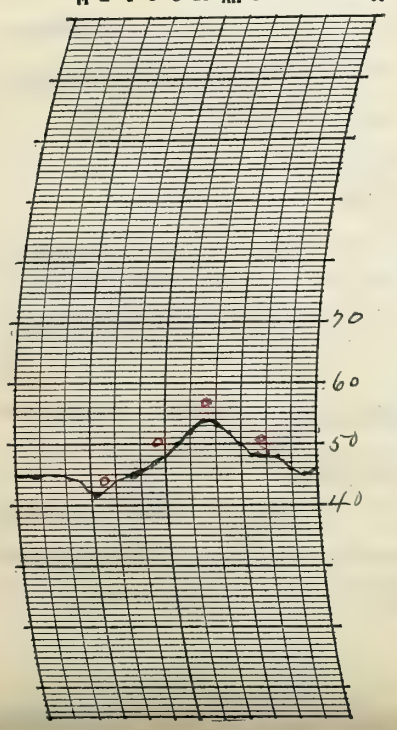
| Maximum Temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 54 | 41 | 48 | |

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., .01 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, P+ Cloudy Moon phase,
Average daily cloudiness (0-10), 7
Actual sunshine, hours, 4.0 Possible sunshine, hours, 11.4
Per cent of possible sunshine, 35
Prevailing wind direction, SW Total wind, 204
Average hourly velocity, 8.5 Extreme velocity, 15
Maximum velocity, 15 Direction, W
Time began, 4:11 P.M.
Reduced barometer, 29.88 7 a. m. 29.98 7 p. m.
River gage, 1.3 feet
Relative humidity, 92 7 a. m. 74 7 p. m.

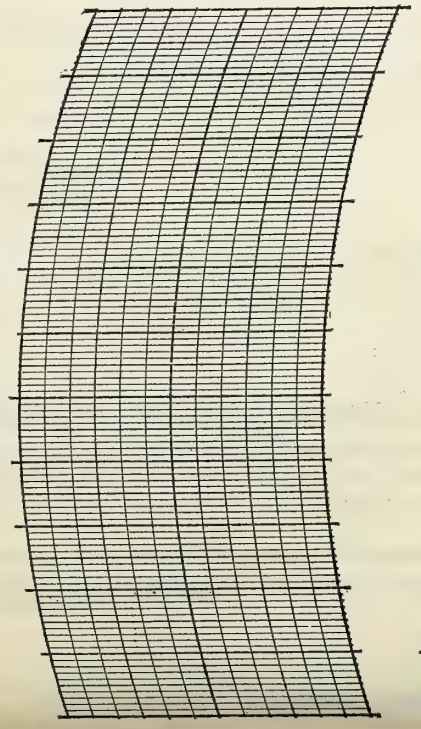
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 47.7 Wet temperature, 44.0
Dew-point, 40 R. humidity, 75 V. pressure, 29.47
Clouds: Amount, 4 a St; Kind, St Cu; Direction, W
Velocity of clouds (miles per hour)

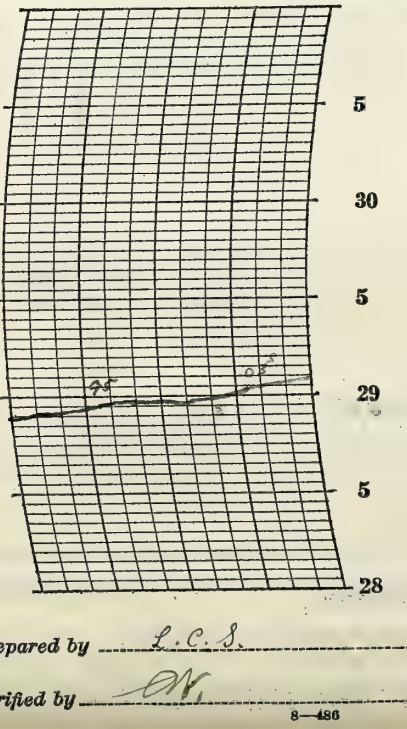
THERMOGRAPH




THERMOGRAPH




BAROGRAPH.




Prepared by L. C. S.

Verified by

8—486

## NOTES

Frost Warning was received and released to newspapers and radio station and printed on daily bulletin and called to special list at 8:30 a.m.

Flying conditions were good to excellent.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

Form No. 1014—Met'l

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Tuesday, (Date) OCT 10 1933, 193

Time (local standard) 90 mer. normal time.

| | A.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 | P.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Temperature at end of hour 46 | 46 | 47 | 47 | 46 | 45 | 46 | 46 | 49 | 52 | 54 | 56 | 57 | 59 | 61 | 62 | 61 | 60 | 58 | 57 | 56 | 55 | 55 | 55 | 55 |
| State of weather. Nature of precipitation and time of beginning and ending | | | | | | | | | | | | | | | | | | | | | | | | RB DNP R Cont'd |
| Amounts of precipitation | | | | | | | | | | | | | | | | | | | | | | | | T |
| Cloudiness and other conditions | | | | | ← Cloudy → | | | | Clear → | | | × Pt Cloudy | | | ← Cloudy → | | × Pt Cloudy → | | Clear → | | | | | |
| | Sunrise: Time, 5:47 Character, Cloudy Moonrise: | | | | | | St + Cu | | | | | Ci + Acu | | | | | | | Ci | | Sunset: Time, 5:09 Character, Cloudy Moonset: | | | | |
| Sunshine (in tenths of hours) | | | | | | 0 | 0 | 0.6 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 0.8 | 0.3 | 0 | 0 | | | | | | |
| Wind direction | SW | W | W | SW | SW | SW | SW | W | W | W | W | SW | W | W | SW | SW | SW | SW | S | SE | S | S | S | S |
| Wind movement | 8 | 8 | 9 | 8 | 8 | 7 | 7 | 9 | 11 | 11 | 12 | 12 | 12 | 12 | 11 | 11 | 7 | 6 | 7 | 9 | 8 | 7 | 8 | 8 |
| Maximum velocities (exceeding 24 miles) direction and time | | | | | | | | | | | | | | | | | | | | | | | | |

Wind data corrected to true velocity.

| | Total duration. From— | To— | Total amount of precipitation. | Excessive rate. Began— | Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Excessive precipitation, accumulated amounts | | | | | | | | | | | | | | | | | | | | |

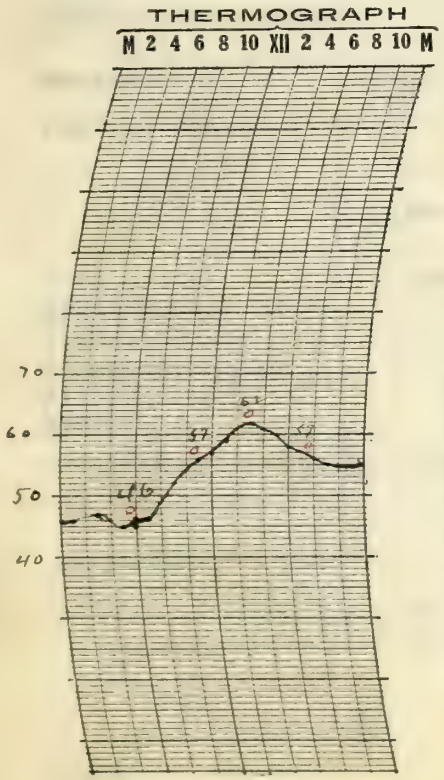
| Maximum Temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 62 | 45 | 54 | |

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, T inches.
Character of day, Pt Cloudy Moon phase,
Average daily cloudiness (0-10) 5
Actual sunshine, hours, 7.7 Possible sunshine, hours, 11.4
Per cent of possible sunshine, 68
Prevailing wind direction, SW Total wind, 216
Average hourly velocity, 9.0 Extreme velocity, 15
Maximum velocity, 14 Direction, W
Time began, 1:13 P.M.
Reduced barometer, 30.11 7 a. m. 30.057 p. m.
River gage, 1.1 feet
Relative humidity, 92 7 a. m. 66 7 p. m.

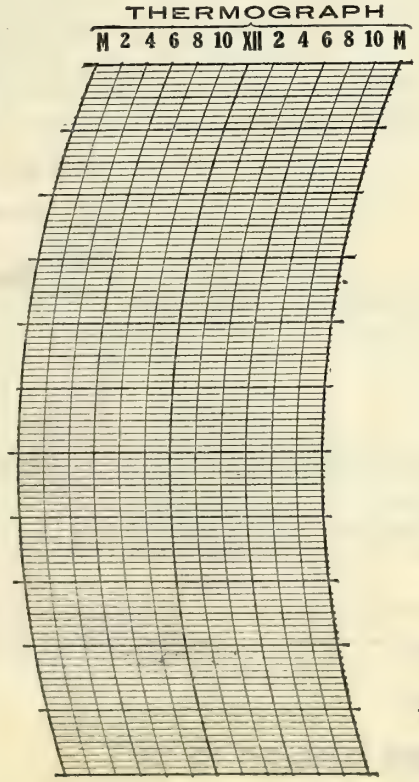
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 57.3 Wet temperature, 49.0
Dew-point, 41 R. humidity, 54 V. pressure, .256
Clouds: Amount, 1/3; Kind, Ci Acu; Direction, W
Velocity of clouds (miles per hour)

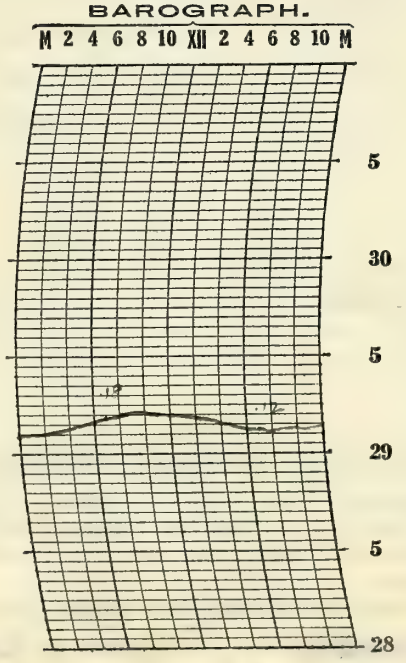
THERMOGRAPH




THERMOGRAPH




BAROGRAPH.




Prepared by P C A

Verified by

8—486

## NOTES

Frost Warning received on previous day did not Verify due to overcast skies.
Faint Solar Halo Was observed from 2:30 P M to 4:15 P.M.
Local smoke in early evening light in character.
Flying conditions were excellent during the day.

Form No. 1014—Met'1

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(Station) ~~Fort Wayne, Ind.~~, (Day of week) Wednesday, (Date) OCT 11 1933, 193

Time (local standard) 90 mer. normal time.

| | A.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 | P.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Temperature at end of hour | 55 | 54 | 54 | 54 | 54 | 54 | 53 | 53 | 57 | 60 | 63 | 66 | 67 | 70 | 71 | 71 | 71 | 67 | 65 | 63 | 61 | 60 | 60 | 57 | 55 |
| State of weather. Nature of precipitation and time of beginning and ending | R Contd | | RE DNA | | | | | | | | | | | | | | | | | | | | | | |
| Amounts of precipitation | .01 | 04 | T | | | | | | | | | | | | | | | | | | | | | | |
| Cloudiness and other conditions | | | | | | + Pt Cldy | | x | | | | Clear | | | | | | | | | | | | | |
| | | | | | | | 5+ cu | | | | | | | | | | | | | | | | | | |
| Sunshine (in tenths of hours) | | | | | | .20 0 | 1.0 0 | 0.6 0.4 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 0.1 0.9 | 1.0 0 | .12 0 | | | | | | | |
| Wind direction | SW | SW | S | S | S | S | S | S | SW | SW | SW | SW | SW | SW | SW | SW | SW | SW | SW | SW | SW | W | NW | NW |
| Wind movement | 9 | 8 | 10 | 9 | 10 | 10 | 11 | 12 | 14 | 15 | 13 | 15 | 14 | 13 | 13 | 12 | 9 | 9 | 7 | 8 | 9 | 9 | 9 | 7 |
| Maximum velocities (exceeding 24 miles) direction and time | | | | | | | | | | | | | | | | | | | | | | | | |

Sunrise: Time, 5:48 Character, Clear

Moonrise: ---- ----

Sunset: Time, 5:07 Character, Clear

Moonset: ---- ----

Wind data corrected to true velocity.

| Total duration. From— | To— | Total amount of precipitation. | Excessive rate. Began— | Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | | | | | |

Excessive precipitation, accumulated amounts

| Maximum Temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 71 | 53 | 62 | |

Total depth of snow for 24 hours ending 7 p. m., 0 inches.

Snow, sleet, and hail on ground 7 p. m., 0 inches.

Total snowfall, midnight to midnight, 0 inches.

Precipitation to 7 a. m., .05 ins.; to 7 p. m., 0 ins.

Total precipitation, midnight to midnight, .05 inches.

Character of day, Clear Moon phase, ----

Average daily cloudiness (0-10), 1

Actual sunshine, hours, 11.3 Possible sunshine, hours, 11.3

Per cent of possible sunshine, 100

Prevailing wind direction, SW Total wind, 355

Average hourly velocity, 10.6 Extreme velocity, 18

Maximum velocity, 17 Direction, SW

Time began, 1:37 P.M.

Reduced barometer, 30.03 7 a. m. 29.95 7 p. m.

River gage, 0.8 feet

Relative humidity, 81 7 a. m. 68 7 p. m.

OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

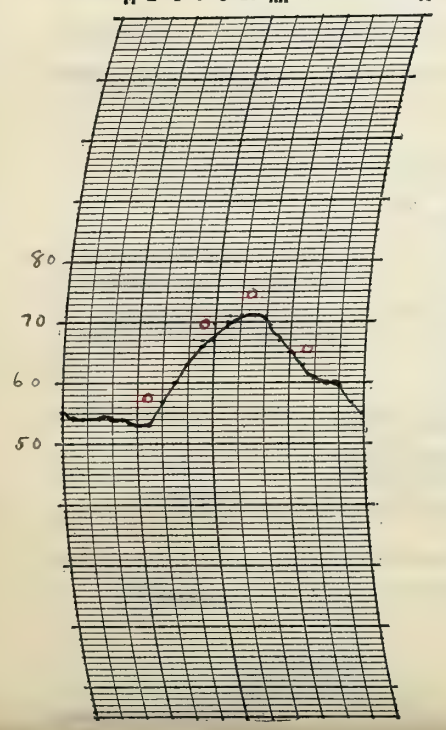
Dry temperature, 66.8 Wet temperature, 56.8

Dew-point, 50 R. humidity, 54 V. pressure, .360

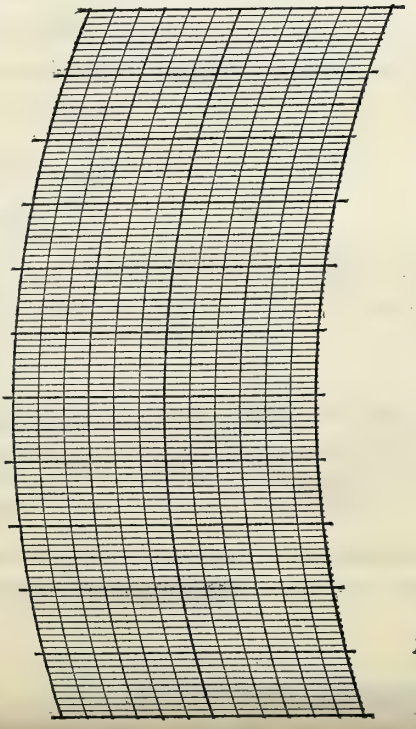
Clouds: Amount, 0; Kind, 0; Direction, 0

Velocity of clouds (miles per hour) ----

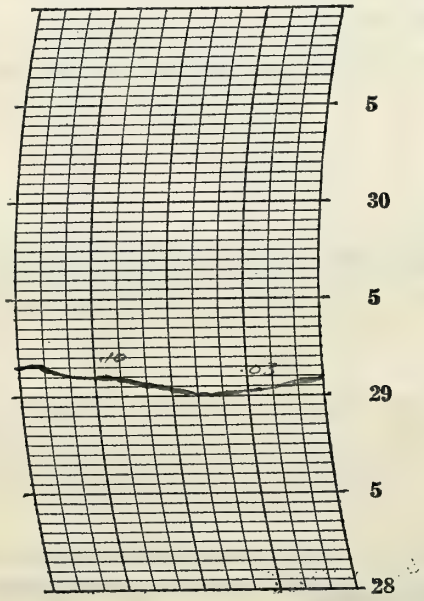
THERMOGRAPH




THERMOGRAPH




BAROGRAPH.




Prepared by L. C. S.

Verified by CW.

8—486

## NOTES

Flying conditions were excellent all day.

Form No. 1014—Met'1

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

Form No. 1014—Met'1

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Thursday, (Date) OCT 12 1933, 193

Time (local standard) 90 mer. normal time.

| | A.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 | P.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Temperature at end of hour 55 | 53 | 52 | 51 | 50 | 49 | 49 | 49 | 50 | 52 | 52 | 54 | 54 | 54 | 55 (57) | 55 | 54 | 52 | 49 | 48 | 46 | 44 | 43 | 43 | 42 |
| State of weather. Nature of precipitation and time of beginning and ending | | | | | | | | | | | | | | | | | | | | | | | | |
| Amounts of precipitation | | | | | | | | | | | | | | | | | | | | | | | | |
| Cloudiness and other conditions | | | | | | Cloudy | | | | | | Pt Cloudy | | | | | | Clear | | | | | | |
| | | | | | | | a fact | | | | | a fact | | | | | | | | | | | | |
| Sunshine (in tenths of hours) | | | | | | 0 | 0 | 0 | 0 | 0.6 | 0.9 | 0.7 | 0.3 | 0.4 | 0.6 | 0 | 0 | 0 | | | | | | |
| Wind direction | W | W | W | W | W | W | W | NW | NW | NW | NW | NW | NW | NW | NW | NW | NW | NW | NW | NW | N | N | N | N |
| Wind movement | 6 | 7 | 6 | 7 | 8 | 6 | 6 | 7 | 9 | 10 | 9 | 10 | 9 | 9 | 11 | 9 | 9 | 6 | 7 | 8 | 7 | 9 | 6 | 5 |
| Maximum velocities (exceeding 24 miles) direction and time | | | | | | | | | | | | | | | | | | | | | | | | |

Sunrise: Time 5:49, Character Cloudy. Moonrise:

Sunset: Time 5:06, Character Cloudy. Moonset:

Wind data corrected to true velocity.

| Excessive precipitation, accumulated amounts | Total duration. From— | To— | Total amount of precipitation. | Excessive rate. Began— | Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | | | | | | |

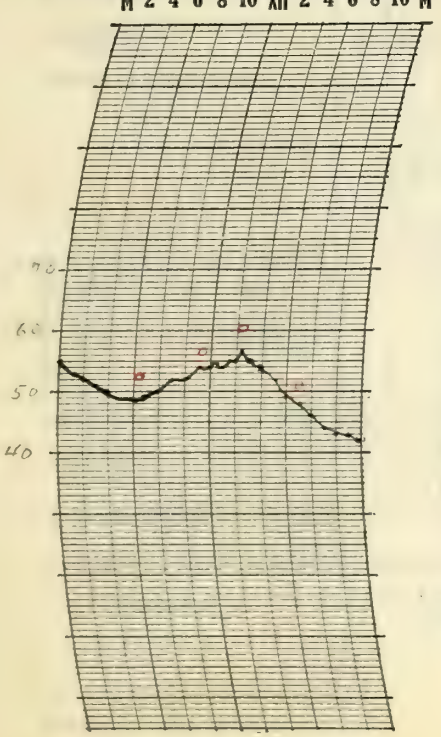
| Maximum Temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 57 | 42 | 50 | |

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Pt Cloudy Moon phase,
Average daily cloudiness (0-10), 5
Actual sunshine, hours, 3.5 Possible sunshine, hours, 11.3
Per cent of possible sunshine, 31
Prevailing wind direction, NW Total wind, 186
Average hourly velocity, 7.8 Extreme velocity, 12
Maximum velocity, 12 Direction, NW
Time began, 2:42 P.M.
Reduced barometer, 30.13 7 a. m. 30.22 7 p. m.
River gage, 0.7 feet
Relative humidity, 83 7 a. m. 67 7 p. m.

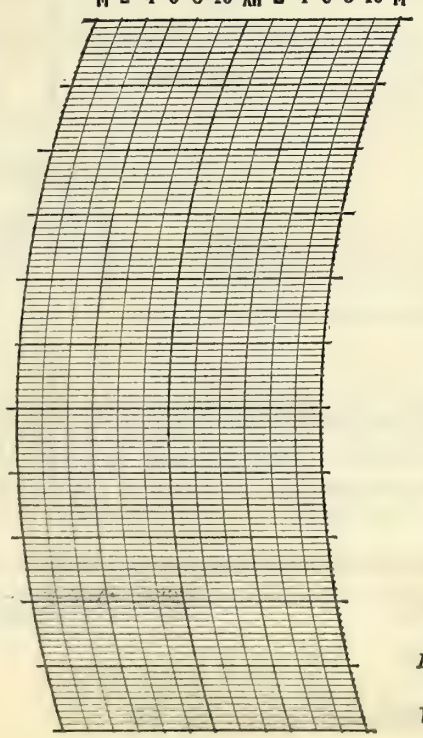
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 54.0 Wet temperature, 46.0
Dew-point, 38 R. humidity, 54 V. pressure, 228
Clouds: Amount, 2/4; Kind, a Cu+ Direction, W
Velocity of clouds (miles per hour)

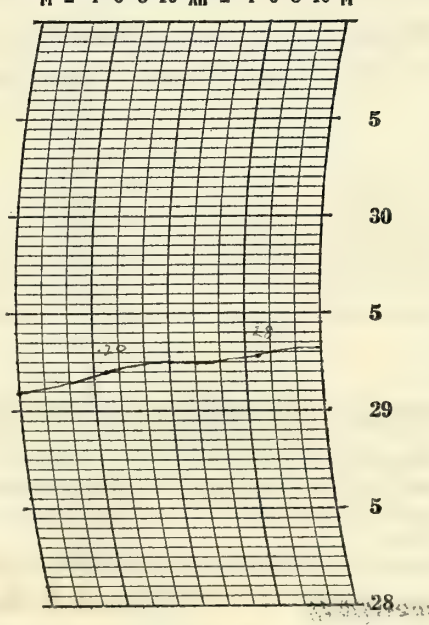
THERMOGRAPH




THERMOGRAPH




BAROGRAPH.




Prepared by L.C.S

Verified by

8—486

## NOTES

Warning of light to heavy frost received and released to newspapers, radio station, printed on daily bulletins and called to special list at 8:30 a.m.

Flying conditions were excellent all day.

Form No. 1014—Met'1

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Friday, (Date) OCT 13 1933, 193

Time (local standard) 90 mer. normal time.

| | A.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 | P.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Temperature at end of hour 47 | 41 | 41 | 39 | 38 | 38 | 37 | 38 | 42 | 46 | 47 | 49 | 50 | 50 | 50 | 52 | 51 | 50 | 49 | 47 | 46 | 44 | 43 | 42 | 41 |
| State of weather. Nature of precipitation and time of beginning and ending | | | | | | | | | | | | | | | | | | | | | | | | |
| Amounts of precipitation | | | | | | | | | | | | | | | | | | | | | | | | |
| Cloudiness and other conditions | | | | | ← Clear | | S+ Cu | | | | a Cu | | | | | | | | | | | | | |
| Sunshine (in tenths of hours) | | | | | | .15 0 | 1.0 0 | 0.5 8.5 | 0.9 | 1.0 | 1.0 | 0.9 | 0.5 | 0.5 | 1.0 | 0.4 | 0 | 0 | | | | | | |
| Wind direction | N | NE | NE | NE | NE | N | N | NE | NE | NE | NE | NW | NW | NW | N | NW | NW | NE | NE | NE | NE | E | SE | SE |
| Wind movement | 6 | 5 | 4 | 4 | 5 | 4 | 6 | 7 | 6 | 6 | 6 | 7 | 6 | 6 | 6 | 5 | 5 | 3 | 5 | 5 | 7 | 8 | 7 | 6 |

Sunrise: Time, 5:51 Character, Clear. Moonrise: ——

Sunset: Time, 5:04 Character, Cloudy. Moonset: ——

24 miles) direction and time ——

Wind data corrected to true velocity.

| Total duration. From— | To— | Total amount of precipitation. | Excessive rate. Began— | Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | | | | | |

Excessive precipitation, accumulated amounts ——

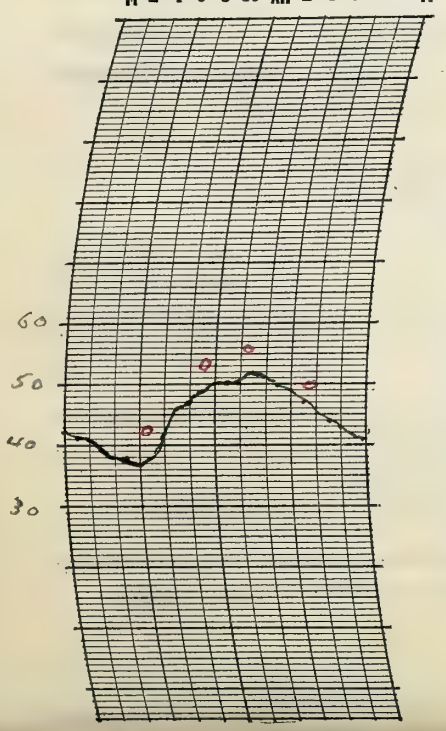
| Maximum Temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 52 | 37 | 44 | |

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, S+ Cloudy Moon phase, ——
Average daily cloudiness (0-10), 5
Actual sunshine, hours, 8.4 Possible sunshine, hours, 11.2
Per cent of possible sunshine, 75
Prevailing wind direction, NE Total wind, 135
Average hourly velocity, 5.6 Extreme velocity, 9
Maximum velocity, 9 Direction, SE
Time began, 9 42 pm. ——
Reduced barometer, 30.33 7 a. m. 30.27 7 p. m.
River gage, 0.6 feet
Relative humidity, 80 7 a. m. 57 7 p. m.

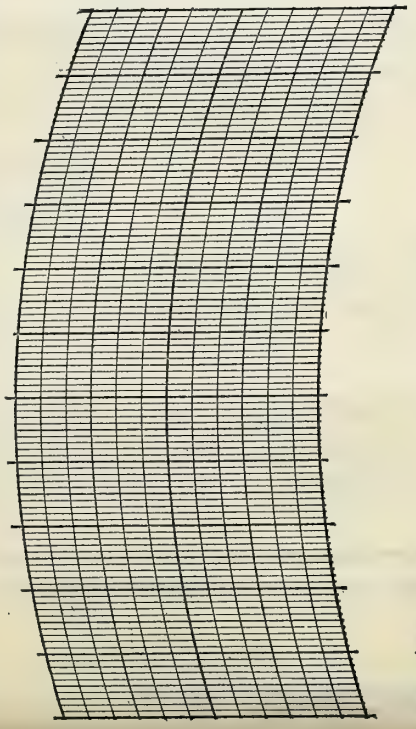
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 50.2 Wet temperature, 41.0
Dew-point, 29 R. humidity, 43 V. pressure, .157
Clouds: Amount, 7; Kind, a Cu; Direction, NW
Velocity of clouds (miles per hour) ——

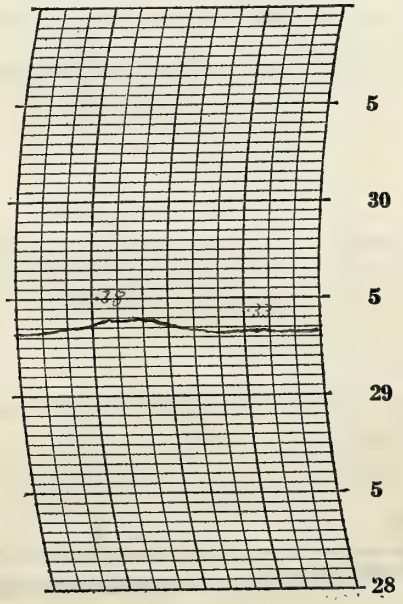
THERMOGRAPH




THERMOGRAPH




BAROGRAPH.




Prepared by L.C.S.

Verified by W.

8—486

## NOTES

Frost Warning of day before fully verified when heavy frost occurred during the early morning hours.

Warning of local frost received and released to newspapers, radio station, and printed on daily bulletin and called to special list at 8:30 a.m.

Flying conditions were good to excellent during the day.

Light local smoke prevailed during the early morning and early evening hours.

Form No. 1014—Met'1

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

Form No. 1014—Met'l

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Saturday, (Date) OCT 14 1933, 193

Time (local standard) 90 mer. normal time.

| | A.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 | P.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Temperature at end of hour | 41 | 40 | 39 | 39 | 38 | 38 | 37 | 39 | 44 | 49 | 52 | 54 | 56 | 59 | 61 | 62 | 61 | 59 | 57 | 56 | 54 | 52 | 51 | 50 | 49 |
| State of weather. Nature of precipitation and time of beginning and ending | | | | | | | | | | | | | | | | | | | | | | | | | |
| Amounts of precipitation | | | | | | | | | | | | | | | | | | | | | | | | | |
| Cloudiness and other conditions | | | | | | ← | | | | | | Clear | | | | | | | | | | → | | | |
| Sunshine (in tenths of hours) | | | | | | .13 | 1.0 | 0.6 0.4 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 0.3 0.7 | 1.0 | .03 | | | | | | | |
| Wind direction | SE | SE | SE | SE | SE | S | S | S | S | S | S | S | S | S | S | S | S | S | S | S | S | S | S | S | S |
| Wind movement | 7 | 7 | 7 | 8 | 7 | 8 | 8 | 11 | 12 | 12 | 13 | 13 | 14 | 13 | 13 | 12 | 9 | 9 | 9 | 10 | 8 | 8 | 7 | 6 | |

Sunrise: Time, 5:52 Character, Clear. Moonrise: ——— ———

Sunset: Time, 5:02 Character, Clear. Moonset: ——— ———

Maximum velocities (exceeding 24 miles) direction and time ———

Wind data corrected to true velocity.

Excessive precipitation, accumulated amounts

| Total duration. From— | To— | Total amount of precipitation. | Excessive rate. Began— | Ended— | Amount before excessive began. |
|---|---|---|---|---|---|
| | | | | | |

Accumulated depths during excessive rate, for consecutive periods of time indicated below.

| 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | |

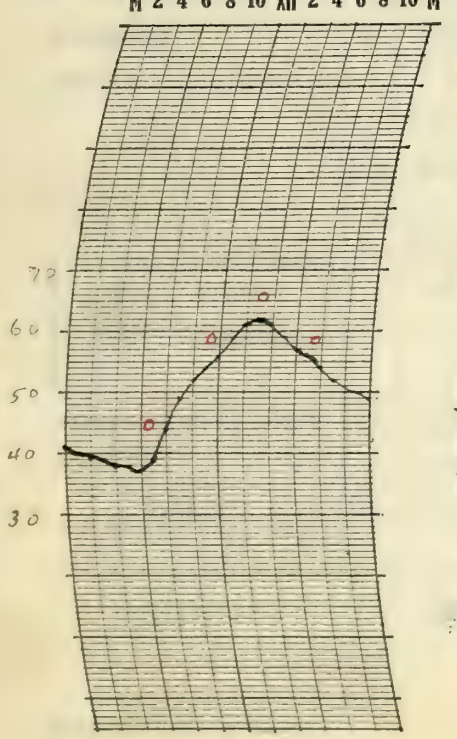
| Maximum Temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 62 | 37 | 50 | |

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Clear Moon phase, ———
Average daily cloudiness (0-10), Few.
Actual sunshine, hours, 11.2 Possible sunshine, hours, 11.2
Per cent of possible sunshine, 100
Prevailing wind direction, S Total wind, 231
Average hourly velocity, 9.6 Extreme velocity, 16
Maximum velocity, 16 Direction, S
Time began, 10 23 a.m. ———
Reduced barometer, 30.28 7a. m. 30.17 7p. m.
River gage, 0.5 Feet
Relative humidity, 69 7a. m. 51 7p. m.

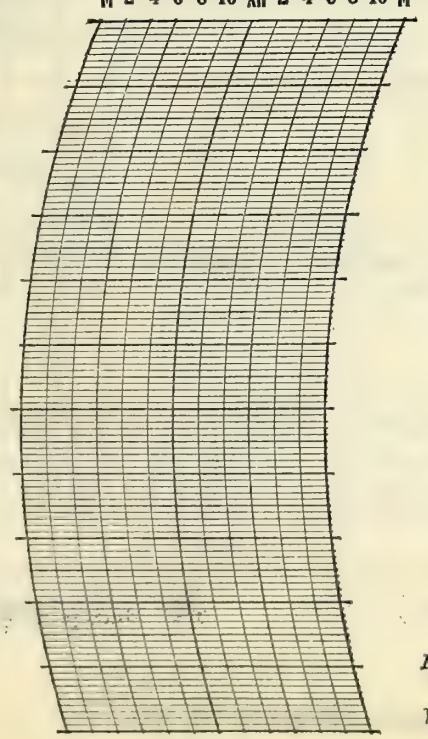
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 56.5 Wet temperature, 47.0
Dew-point, 37 R. humidity, 48 V. pressure, .219
Clouds: Amount, 0; Kind, —; Direction, —
~~Velocity of clouds (miles per hour)~~

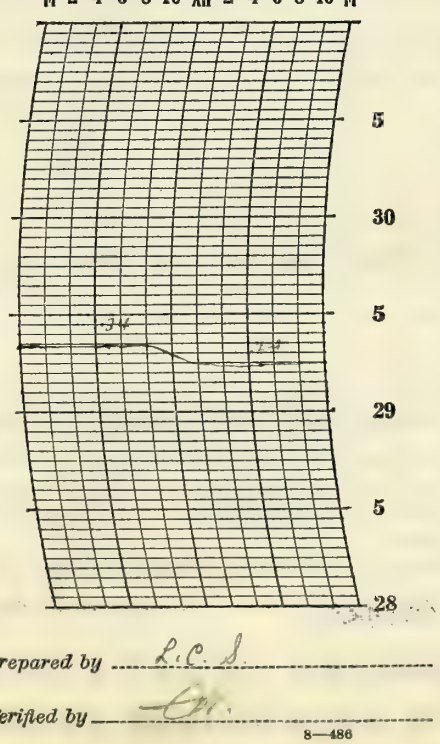
THERMOGRAPH




THERMOGRAPH




BAROGRAPH.




Prepared by L.C.S.

Verified by [illegible]

8—486

## NOTES

Flying conditions excellent.

Heavy frost occurred this morning. The ports of yesterday and today did but minor damage owing to the lateness of the season. Damage was confined mainly to truck crops on lowlands.

Form No. 1014—Met'1

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Sunday, (Date) OCT 15 1933, 193

Time (local standard) 90° mer. normal time.

| | A.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 | P.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Temperature at end of hour | 49 | 48 | 48 | 48 | 47 | 46 | 46 | 49 | 52 | 59 | 64 | 68 | 71 | 74 | 74 | 73 | 71 | 68 | 66 | 64 | 63 | 62 | 62 | 61 | 61 |
| State of weather. Nature of precipitation and time of beginning and ending | | | | | | | | | | | | | | | | | | | | | | | | |
| Amounts of precipitation | | | | | | | | | | | | | | | | | | | | | | | | |
| Cloudiness and other conditions | | | | | | ← Clear | Partly Cloudy | Cloudy St. Cu. | | Partly cloudy | | | Clear | | | | Partly Cloudy | | | | Cloudy C.St. | | | |
| Sunshine (in tenths of hours) | | | | | | .12 | 0.9 0 | 0.3 0 | 0.3 | 1.0 | 1.0 | 1.0 | 1.0 | 0.9 | 1.0 | 0.3 0.3 | 0.6 0 | 0 | | | | | | |
| Wind direction | S | S | S | S | S | S | S | S | S | S | S | S | S | S | S | S | SE | SE | SE | SE | SE | S | SE | S |
| Wind movement | 8 | 7 | 7 | 6 | 7 | 7 | 8 | 8 | 9 | 11 | 11 | 10 | 12 | 12 | 13 | 11 | 9 | 9 | 11 | 11 | 10 | 10 | 10 | 11 |
| Maximum velocities (exceeding 24 miles) direction and time | | | | | | | | | | | | | | | | | | | | | | | | |

Sunrise: Time, 5:53 Character, Clear
Moonrise:

Sunset: Time, 5:01 Character, Cloudy
Moonset:

Wind data corrected to true velocity.

Excessive precipitation, accumulated amounts

| Total duration. From— | To— | Total amount of precipitation. | Excessive rate. Began— | Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | | | | | |

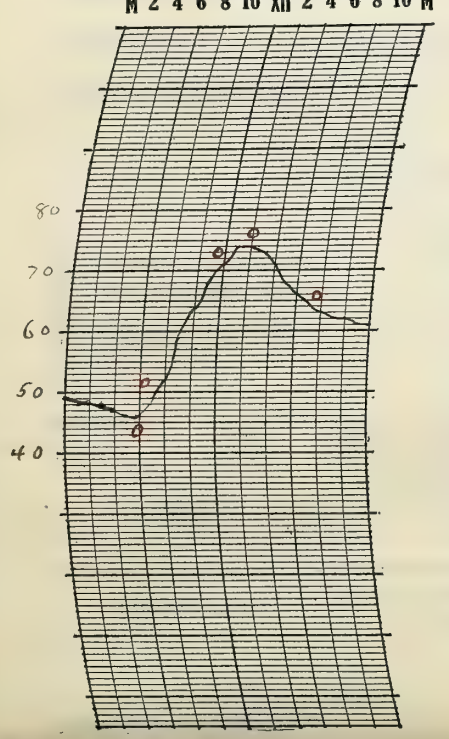
| Maximum Temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 74 | 46 | 60 | |

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Partly Cloudy Moon phase,
Average daily cloudiness (0-10), 5
Actual sunshine, hours, 8.7 Possible sunshine, hours, 11.1
Per cent of possible sunshine, 78
Prevailing wind direction, S Total wind, 228
Average hourly velocity, 9.5 Extreme velocity, 15
Maximum velocity, 15 Direction, S
Time began, 1:21 p.m.
Reduced barometer, 30.23 7 a. m. 30.14 7 p. m.
River gage, 0.5 feet
Relative humidity, 69 7 a. m. 52 7 p. m.

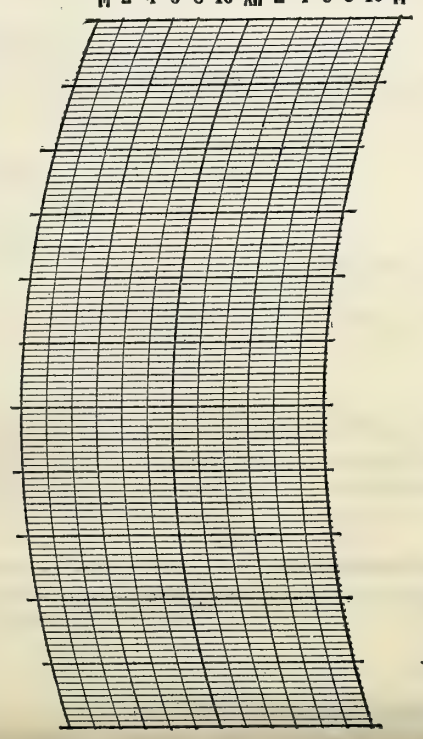
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 71.0 Wet temperature, 55.0
Dew-point, 41 R. humidity, 34 V. pressure, .256
Clouds: Amount, Few; Kind, Ac Cu; Direction, SW SW
~~Velocity of clouds (miles per hour)~~

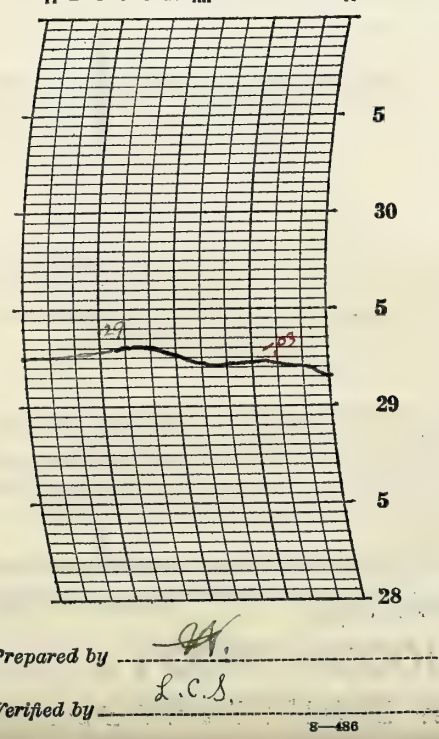
THERMOGRAPH




THERMOGRAPH




BAROGRAPH.




Prepared by W.
Verified by L.C.S.

8—486

## NOTES

Flying conditions excellent

Form No. 1014—Met'1

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Monday, (Date) OCT 16 1933, 193

Time (local standard) 90 mer. normal time.

| | A.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 | P.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Temperature at end of hour | 61 | 60 | 59 | 60 | 60 | 60 | 61 | 60 | 60 | 58 | 59 | 61 | 60 | 61 | 62 | 58 | 56 | 54 | 52 | 53 | 52 | 51 | 49 | 47 |
| State of weather. Nature of precipitation and time of beginning and ending | | | | | | | | RB 725 | | | | RE 1130 | RB 1200 E 100 | | RB 215 E 231 | RB 315 | RE 425 | | | | | | | |
| Amounts of precipitation | | | | | | | | T | .01 | .03 | .03 | .01 | T | | T | T | T | | | | | | | |
| Cloudiness and other conditions | | | | | | | | Cloudy | | | | | | | | X | Par-tly Cloudy | | | | | | | |
| Sunrise: Time, 5:54 Character, Cloudy | | | | | | | Q. St. | | to | | St. | | | to | St Cu | | | | | | Sunset: Time, 4:59 Character, Cloudy | | | |
| Moonrise: | | | | | | | | | | | | | | | | | | | | | Moonset: | | | |
| Sunshine (in tenths of hours) | | | | | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.1 | 0.1 | 0 | 0 | | | | | | | |
| Wind direction | S | S | S | S | S | S | S | S | S | S | S | S | SW | SW | SW | W | W | W | SW | SW | W | W | W | W |
| Wind movement | 12 | 13 | 13 | 11 | 10 | 11 | 12 | 14 | 15 | 19 | 20 | 18 | 11 | 15 | 16 | 18 | 14 | 9 | 9 | 9 | 10 | 11 | 9 | 9 |
| Maximum velocities (exceeding 24 miles) direction and time | | | | | | | | | | 24 S 935 | | | | | | 25 W 323 | | | | | | | | |

Wind data corrected to true velocity.

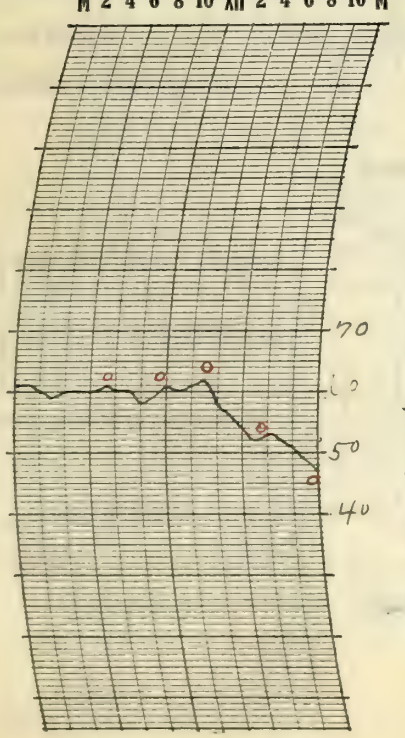
| | Total duration. From— | To— | Total amount of precipitation. | Excessive rate. Began— | Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Excessive precipitation, accumulated amounts | | | | | | | | | | | | | | | | | | | | |

| Maximum Temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 62 | 47 | 54 | |

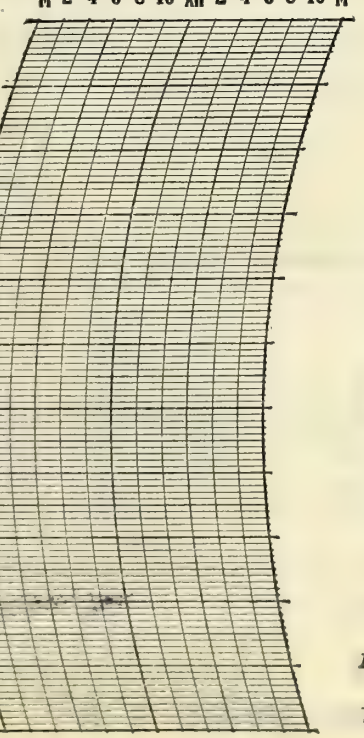
Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., .08 ins.
Total precipitation, midnight to midnight, .08 inches.
Character of day, Cloudy. Moon phase,
Average daily cloudiness (0-10), 9
Actual sunshine, hours, 0.2 Possible sunshine, hours, 11.1
Per cent of possible sunshine, 2
Prevailing wind direction, S Total wind, 308
Average hourly velocity, 12.8 Extreme velocity, 27
Maximum velocity, 25 Direction, W
Time began, 3:23 P.M.
Reduced barometer, 29.93 7 a. m. 29.95 7 p. m.
River gage, 0.5 feet
Relative humidity, 74 7 a. m. 84 7 p. m.

OBSERVATIONS AT 12 NOON.
(Local Mean Time.)
Dry temperature, 61.0 Wet temperature, 58.1
Dew-point, 56 R. humidity, 84 V. pressure, .448
Clouds: Amount, 10; Kind, St; Direction, SW
~~Velocity of clouds (miles per hour)~~

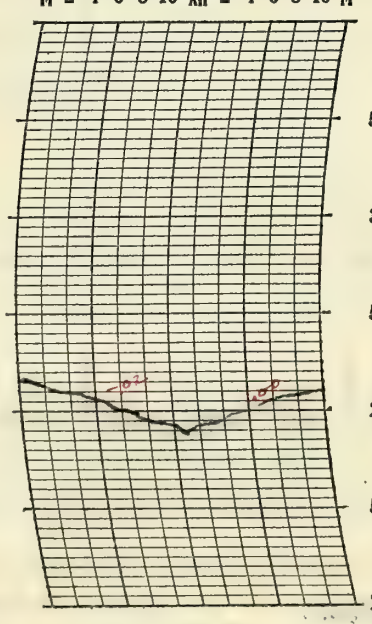
THERMOGRAPH




THERMOGRAPH




BAROGRAPH.




Prepared by W.

Verified by L. C. S.

8—486

## NOTES

Light Haze prevailed during the day.

Light sprinkles from 7 25 am to 8 20 am when moderate rain began. Occasional light sprinkles again during the afternoon.

Flying conditions no better than fair for visibility and low ceilings prevailing intermittently.

Form No. 1014—Met'l

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Tuesday, (Date) OCT 17 1933, 193

Time (local standard) 90 mer. normal time.

| | A.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 | P.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Temperature at end of hour | 46 | 45 | 43 | 42 | 41 | 40 | 39 40 | 45 | 48 | 53 | 55 | 55 | 54 | 53 | 52 | 52 | 50 | 49 | 47 | 45 | 44 | 43 | 42 | 42 |
| State of weather: Nature of precipitation and time of beginning and ending | | | | | | | | | | | | | | | | | | | RB 604 RE 731 misting sprinkle | | | | | |
| Amounts of precipitation | | | | | | | | | | | | | | | | | | | T | T | | | | |
| Cloudiness and other conditions | | | | | | ← Clear | | X | Partly Cloudy | | | | X | | | | Cloudy | | | | X Partly cloudy | | X Clear → | |
| | | | | | | | | | St Cu | to | Ci | | to | St Cu | | | | | | | | | | |
| Sunshine (in tenths of hours) | | | | | | .08 | 1.0 | 0.6 0.4 | 0.4 | 1.0 | 1.0 | 0.9 | 0 | 0 | 0 | 0 | 0 | | | | | | | |
| Wind direction | W | SW | SW | SW | SW | SW | SW | SW | SW | W | W | W | W | W | W | W | W | W | W | W | W | SW | SW | W |
| Wind movement | 9 | 8 | 9 | 9 | 9 | 8 | 9 | 9 | 9 | 11 | 15 | 15 | 14 | 13 | 12 | 13 | 12 | 10 | 11 | 9 | 6 | 6 | 6 | 7 |

Sunrise: Time, 5:55 Character, Clear
Moonrise:

Sunset: Time, 4:58 Character, Cloudy
Moonset:

Maximum velocities (exceeding 24 miles) direction and time

Wind data corrected to true velocity.

| Total duration. From— | To— | Total amount of precipitation. | Excessive rate. Began— | Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | | | | | |

Excessive precipitation, accumulated amounts

| Maximum Temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 55 | 39 | 47 | |

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., T ins.
Total precipitation, midnight to midnight, T inches.
Character of day Partly Cloudy Moon phase,
Average daily cloudiness (0-10), 7
Actual sunshine, hours, 5.4 Possible sunshine, hours, 11.0
Per cent of possible sunshine, 49
Prevailing wind direction, W Total wind, 239
Average hourly velocity, 10.0 Extreme velocity, 18
Maximum velocity, 17 Direction, W
Time began, 10:37 a.m.
Reduced barometer, 30.08 7 a. m. 30.11 7 p. m.
River gage, 0.5 feet
Relative humidity, 80 7 a. m. 60 7 p. m.

OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 54.8 Wet temperature, 43.8
Dew-point, 31.6 R. humidity, 39 V. pressure, .172
Clouds: Amount, Few; Kind, Ci; Direction, NW
~~Velocity of clouds (miles per hour)~~

THERMOGRAPH
M 2 4 6 8 10 XII 2 4 6 8 10 M
60 50 40

THERMOGRAPH
M 2 4 6 8 10 XII 2 4 6 8 10 M

BAROGRAPH.
M 2 4 6 8 10 XII 2 4 6 8 10 M
5 30 5 29 5 28
.00 .01

Prepared by W.
Verified by L.C.S.

8—486

## NOTES

Flying conditions good until late afternoon & early evening.

Form No. 1014—Met'1

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(Station) ~~Fort Wayne, Ind.~~, (Day of week) Wednesday, (Date) OCT 18 1933, 193

Time (local standard) 90 mer. normal time.

| | A.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 | P.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Temperature at end of hour (42) | 43 | 43 | 42 | 42 | 40 | 39 (38) | 39 | 42 | 46 | 49 | 50 | 51 | 53 | 54 | 52 | 53 | 51 | 49 | 47 | 45 | 43 | 42 | 42 | 43 |
| State of weather: Nature of precipitation and time of beginning and ending | | | | | | | | | | | | | | RB 100 – E 102 Few drops | | | | | | | | | | |
| Amounts of precipitation | | | | | | | | | | | | | | T | | | | | | | | | | |
| Cloudiness and other conditions | ← Clear | | | | | | | | | | | × Partly Cu | Cu to St Cu | | | | × Clear → | | | | | | | |
| Sunrise: Time, Character | 5:56 Clear | | | | | | | | | | | | | | | | | | | | Sunset: 4:56 Time, Character, Clear after 4:00 pm | | | |
| Moonrise: | | | | | | | | | | | | | | | | | | | | | Moonset: | | | |
| Sunshine (in tenths of hours) | | | | | | .07 | 1.0 | 0.6 0.4 | 1.0 | 0.5 | 0.4 | 0.5 | 0.4 | 0.3 | 0.3 | 0.7 | .83 0 | | | | | | | |
| Wind direction | W | W | W | W | W | W | W | W | W | NW | NW | NW | W | NW | NW | W | NW | NW | NW | NW | SW | S | S | S |
| Wind movement | 7 | 8 | 7 | 7 | 7 | 7 | 9 | 9 | 10 | 13 | 12 | 12 | 12 | 11 | 11 | 11 | 8 | 5 | 2 | 3 | 5 | 5 | 8 | 7 |
| Maximum velocities (exceeding 24 miles) direction and time | | | | | | | | | | | | | | | | | | | | | | | | |

Wind data corrected to true velocity.

| | Total duration. From— | To— | Total amount of precipitation. | Excessive rate. Began— | Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Excessive precipitation, accumulated amounts | | | | | | | | | | | | | | | | | | | | |

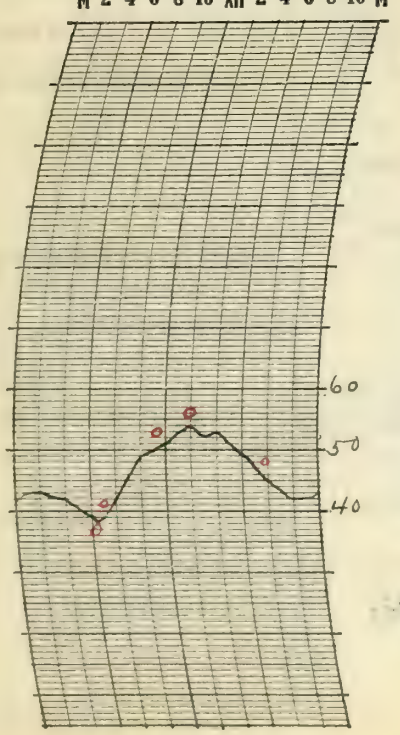
| Maximum Temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 54 | 38 | 46 | |

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., T ins.; to 7 p. m., T ins.
Total precipitation, midnight to midnight, T inches.
Character of day, Partly Cloudy Moon phase,
Average daily cloudiness (0-10), 4
Actual sunshine, hours, 7.0 Possible sunshine, hours, 11.0
Per cent of possible sunshine, 64
Prevailing wind direction, W Total wind, 196
Average hourly velocity, 8.2 Extreme velocity, 16
Maximum velocity, 16 Direction, NW
Time began, 11:35 a.m.
Reduced barometer, 30.17 7 a. m. 30.26 7 p. m.
River gage, 0.4 feet
Relative humidity, 92 7 a. m. 47 7 p. m.

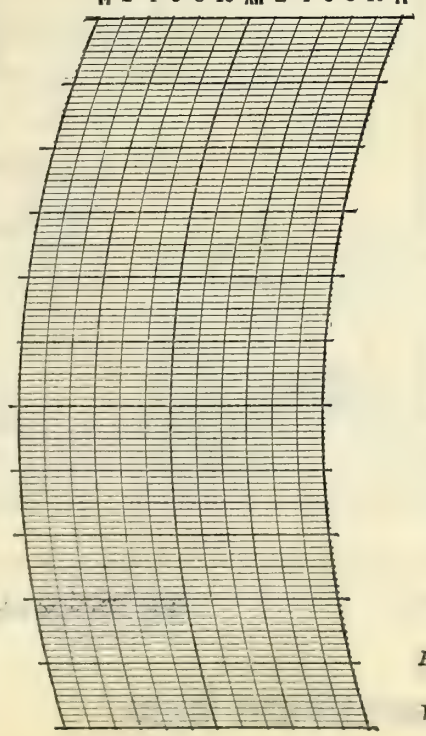
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 51.0 Wet temperature, 43.0
Dew-point, 34 R. humidity, 51 V. pressure, 195
Clouds: Amount, 5; Kind, Cu; Direction, NW
~~Velocity of clouds (miles per hour)~~

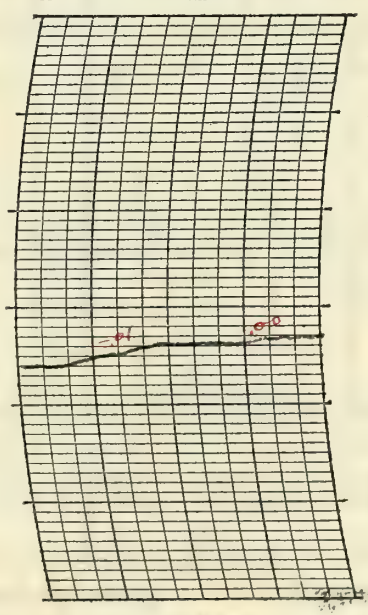
THERMOGRAPH




THERMOGRAPH




BAROGRAPH.




Prepared by [signature]

Verified by P C A

8—486

## NOTES

Light frost on lowlands this morning; no damage

Frost warning issued this morning & distributed by mail, phone, newspapers, & radio.

Form No. 1014—Met'l

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Thursday, (Date) OCT 19 1933, 193.

Time (local standard) 90 mer. normal time.

| | A.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 | P.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Temperature at end of hour 43 | 43 | 42 | 42 | 41 | 42 | 44 | 44 | 46 | 46 | 49 | 50 | 51 | 52 | 54 | 52 | 54 | 53 | 52 | 52 | 52 | 52 | 52 | 52 | 51 |
| State of weather: Nature of precipitation and time of beginning and ending | | | | | | | | RB 750 | RE 845 | | | | | RB 147 | RE 230 | RB 355 | | | | | RE 810 | | | |
| State of weather: Amounts of precipitation | | | | | | | | T | T | | | | | T | T | T | T | .01 | T | T | T | | | |
| State of weather: Cloudiness and other conditions | | | | | | | | | | | | Cloudy | | | | | | | | | | | | |
| | | | | | | | | ast | | to | | Stratus | | | and | St. Cu. | | | | | | | | |
| Sunshine (in tenths of hours) | | | | | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | | |
| Wind direction | S | S | S | SE | SE | S | S | S | SE | S | S | S | S | S | SW | SW | SW | W | W | SW | W | W | W | NW |
| Wind movement | 7 | 8 | 7 | 7 | 9 | 10 | 11 | 12 | 15 | 15 | 15 | 14 | 12 | 17 | 18 | 16 | 12 | 13 | 13 | 10 | 11 | 12 | 10 | 10 |
| Maximum velocities (exceeding 24 miles) direction and time | | | | | | | | | | | | | | | | | | | | | | | | |

Sunrise: Time, 5:57 Character, Cloudy. Moonrise: ---- ----

Sunset: Time, 4:55 Character, Cloudy. Moonset: ---- ----

Wind data corrected to true velocity.

| Total duration. From— | To— | Total amount of precipitation. | Excessive rate. Began— | Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | | | | | |

Excessive precipitation, accumulated amounts

| Maximum Temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 54 | 41 | 48 | |

Total depth of snow for 24 hours ending 7 p. m., 0 inches.

Snow, sleet, and hail on ground 7 p. m., 0 inches.

Total snowfall, midnight to midnight, 0 inches.

Precipitation to 7 a. m., 0 ins.; to 7 p. m., .01 ins.

Total precipitation, midnight to midnight, .01 inches.

Character of day, Cloudy Moon phase, ----

Average daily cloudiness (0-10), 9

Actual sunshine, hours, 0 Possible sunshine, hours, 11.0

Per cent of possible sunshine, 0

Prevailing wind direction, S Total wind, 284

Average hourly velocity, 11.8 Extreme velocity, 23

Maximum velocity, 22 Direction, SW

Time began, 2:55 P.M.

Reduced barometer, 30.23 7 a. m. 30.07 7 p. m.

River gage, 0.4 feet

Relative humidity, 63 7 a. m. 93 7 p. m.

OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

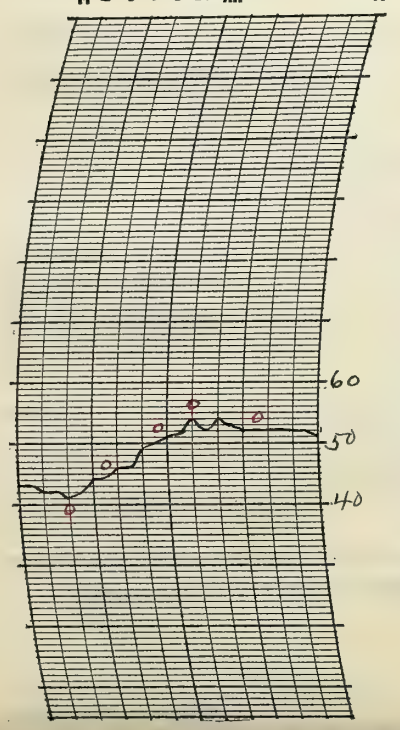
Dry temperature, 51.0 Wet temperature, 44.0

Dew-point, 36 R. humidity, 57 V. pressure, .211

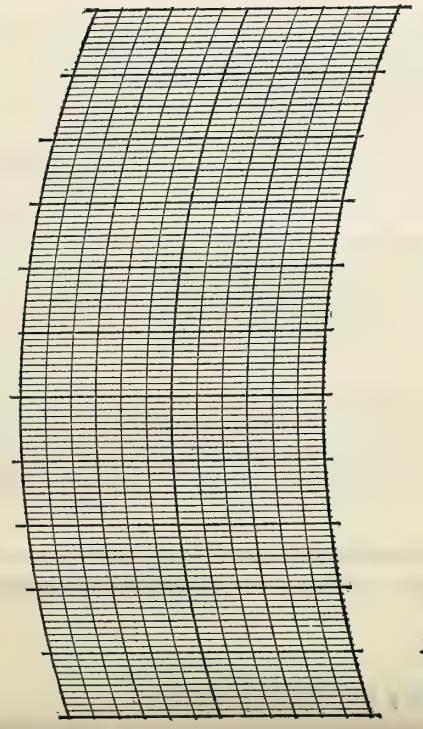
Clouds: Amount, 10; Kind, St; Direction, SW

~~Velocity of clouds (miles per hour)~~

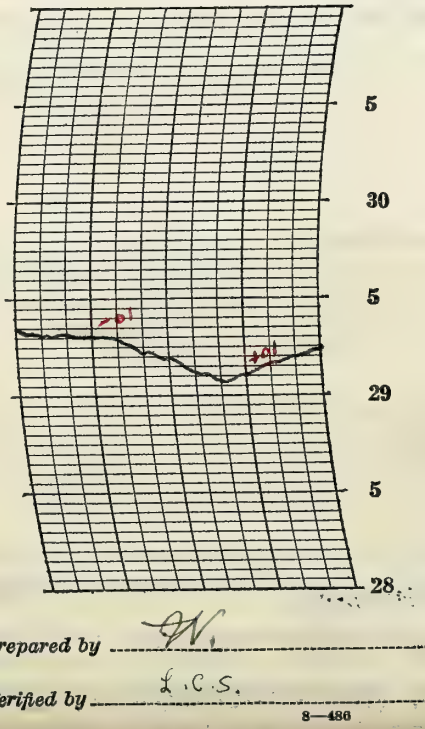
THERMOGRAPH




THERMOGRAPH




BAROGRAPH.




Prepared by W.

Verified by L.C.S.

8—486

## NOTES

Light frost occurred on lowlands during the fore part of the night, but melted off with the advent of cloudy skies before daylight.

Flying conditions only fair.

Form No. 1014—Met'1

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Friday, (Date) OCT 20 1933, 193

Time (local standard) 90 mer. normal time. 51

| | A.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 | P.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Temperature at end of hour | 47 | 45 | 43 | 43 | 41 | 39 | 41 | 44 | 46 | 48 | 50 | 52 | 54 | 56 | 56 | 56 | 56 | 55 | 55 | 54 | 53 | 53 | 54 | 55 |
| State of weather. Nature of precipitation and time of beginning and ending | | | | | | | | | | | | | | | | | | | | | | | | |
| Amounts of precipitation | | | | | | | | | | | | | | | | | | | | | | | | |
| Cloudiness and other conditions | | | | | | ← Clear | | | | → P+ Cloudy | | | | | | | | ← Cloudy | | | → | | | |
| | | | | | | | Ci | | | | Ci+Cu | | | | | | | | Ac St Sc St Cu | | | | | |
| Sunshine (in tenths of hours) | | | | | | .03 0 | 1.0 0 | 0.6 0 | 4.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 0.1 | .02 0 | .88 0 | | | | | | | |
| Wind direction | NW | N | N | N | NE | NE | NE | NE | E | E | E | SE | SE | SE | SE | SE | E | E | E | E | E | E | SE | SE |
| Wind movement | 9 | 8 | 6 | 5 | 7 | 6 | 7 | 9 | 11 | 10 | 12 | 10 | 12 | 10 | 10 | 11 | 8 | 7 | 9 | 8 | 9 | 11 | 10 | 12 |
| Maximum velocities (exceeding 24 miles) direction and time | | | | | | | | | | | | | | | | | | | | | | | | |

Sunrise: Time, 5:58 Character, Clear. Moonrise: ____ ____

Sunset: Time, 4:53 Character, Clear. Moonset: ____ ____

Wind data corrected to true velocity.

| Total duration. From— | To— | Total amount of precipitation. | Excessive rate. Began— | Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | | | | | |

Excessive precipitation, accumulated amounts

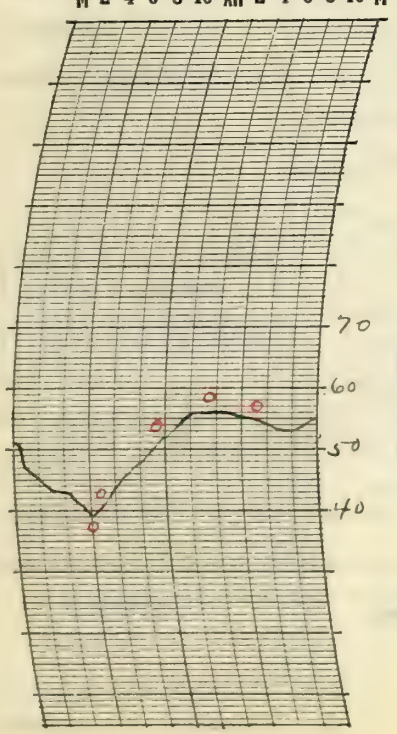
| Maximum Temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 56 | 39 | 48 | |

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., T ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, P+ Cloudy Moon phase, ____
Average daily cloudiness (0-10), 4
Actual sunshine, hours, 9.2 Possible sunshine, hours, 10.9
Per cent of possible sunshine, 84
Prevailing wind direction, E Total wind, 217
Average hourly velocity, 9.0 Extreme velocity, 14
Maximum velocity, 13 Direction, SE
Time began, 12:48 P.M.
Reduced barometer, 30.38 7 a. m. 30.24 7 p. m.
River gage, -0.2 feet
Relative humidity, 78 7 a. m. 76 7 p. m.

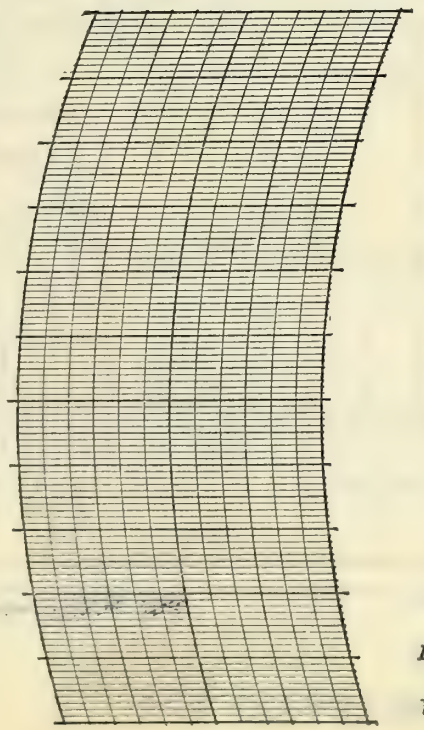
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 52.1 Wet temperature, 47.6
Dew-point, 43 R. humidity, 72 V. pressure, 29.77
Clouds: Amount, 7 6; Kind, Cu Ci; Direction, SE W
Velocity of clouds (miles per hour) ____

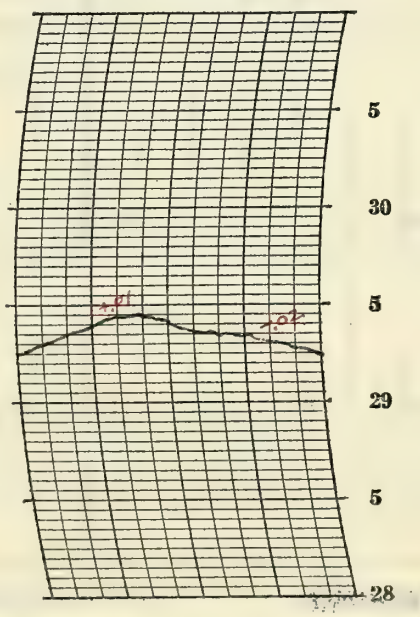
THERMOGRAPH




THERMOGRAPH




BAROGRAPH.




Prepared by L. C. S.

Verified by ____

8—486

## NOTES

Faint Solar Halo was observed from 11:30 a.m. to 1:00 P.M.
Flying Conditions Were excellent all day.

Form No. 1014—Met'1

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Saturday, (Date) OCT 21 1933, 193

Time (local standard) 90 mer. normal time.

| | A.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 | P.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Temperature at end of hour | 55 58 | 59 | 59 | 59 | 60 | 61 | 61 | 63 | 68 | 71 | 72 | 73 | 74 | 74 | 74 | 75 | 73 | 72 | 71 | 70 | 70 | 59 | 54 | 50 |
| State of weather. Nature of precipitation and time of beginning and ending | | R B D.N.H R E D.N.H | | | | | | | | | | | | | | | | | | | | R B 9:06 | | R Cont'd |
| Amounts of precipitation | | T | | | | | | | | | | | | | | | | | | | | .49 | .19 | .10 |
| Cloudiness and other conditions | | | | | | ← Pt Cloudy | | | | | × Cloudy | | × | | Pt Cloudy | | | | | × Cloudy → | | | | |
| | | | | | | | Ci + Cu | | | | | A St + St Cu | | | | | | | A Cu | | | | | | |
| Sunshine (in tenths of hours) | | | | | | 0 | 0 | 0 | 0.8 | 1.0 | 1.0 | 0.1 | 0 | 0 | 0 | 0 | 0 | | | | | | | | |
| Wind direction | SE | SE | S | S | S | S | S | S | S | S | SW | SW | S | S | S | S | S | S | S | S | S | NW | NW | NW |
| Wind movement | 12 | 12 | 11 | 10 | 9 | 12 | 12 | 12 | 16 | 22 | 22 | 18 | 17 | 16 | 15 | 15 | 15 | 14 | 14 | 12 | 15 | 12 | 10 | 8 |
| Maximum velocities (exceeding 24 miles) direction and time | | | | | | | | | | 27-S 9:28 | 26-SW 10:05 | | | | | | | | | | | | | |

Sunrise: Time, 5:59 Character, Cloudy. Moonrise:

Sunset: Time, 4:52 Character, Cloudy. Moonset:

Wind data corrected to true velocity.

| Excessive precipitation, accumulated amounts | Total duration. From— | To— | Total amount of precipitation. | Excessive rate. Began— | Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | | | | | | |

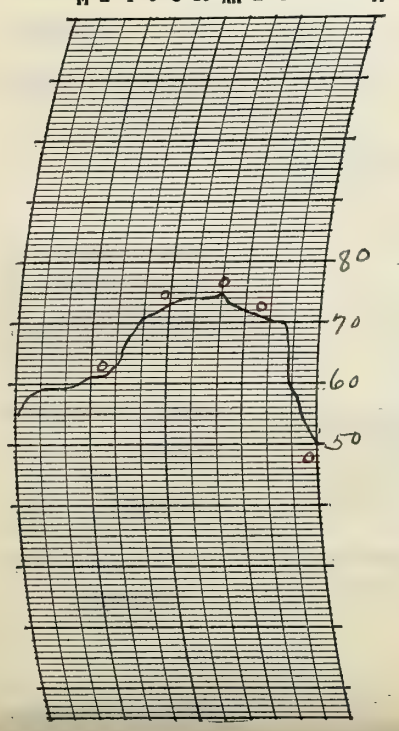
| Maximum Temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 75 | 50 | 62 | |

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., T ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0.78 inches.
Character of day, Pt Cloudy Moon phase,
Average daily cloudiness (0-10), 6
Actual sunshine, hours, 2.9 Possible sunshine, hours, 10.9
Per cent of possible sunshine, 27
Prevailing wind direction, S Total wind, 331
Average hourly velocity, 13.8 Extreme velocity, 29
Maximum velocity, 27 Direction, S
Time began, 9:28 a. m.
Reduced barometer, 30.10 7 a. m. 29.97 7 p. m.
River gage, -0.2 feet
Relative humidity, 78 7 a. m. 67 7 p. m.

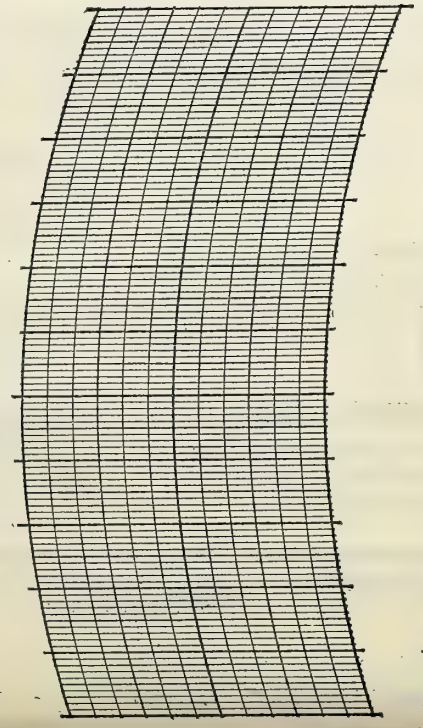
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 72.8 Wet temperature, 64.3
Dew-point, 60 R. humidity, 63 V. pressure, .517
Clouds: Amount, 4 a St; Kind, St Cu; Direction, S
Velocity of clouds (miles per hour)

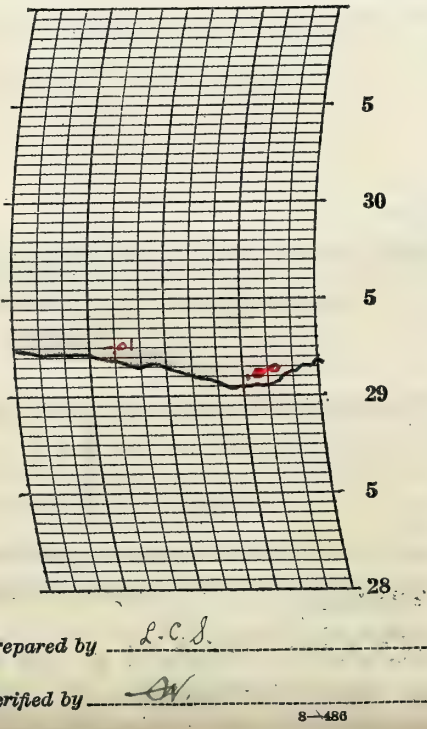
THERMOGRAPH




THERMOGRAPH




BAROGRAPH.




Prepared by L.C.S.

Verified by [illegible]

8—486

## NOTES

Flying conditions were fair. Severe thunderstorm occurred during the night. Thunder was first heard at 8:15 PM and is believed to have last occurred P.M.P. Damage was done to telephone system, putting phones out of service into the following day. Damage is reported to have occurred mostly to the west and north of the station.

Form No. 1014—Met'l

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Sunday, (Date) OCT 22 1933, 193

Time (local standard) 90 mer. normal time.

| | A.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 | P.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Temperature at end of hour (50) | 48 | 48 | 48 | 48 | 48 | 47 | 46 | 46 | 48 | 48 | 49 | 50 | 50 | 50 | 50 | 49 | 49 | 47 | 45 | 44 | 43 | 42 | 41 | 40 |
| State of weather. Nature of precipitation and time of beginning and ending | R Contd | | R E 2:50 | | | | | | | | | | | | | | | | | | | | | |
| Amounts of precipitation | T | T | .01 | | | | | | | | | | | | | | | | | | | | | |
| Cloudiness and other conditions | | | | | | ← Cloudy | | × | | Pt Cloudy | | | × Cloudy | | × Pt Cloudy | | | × Clear | | | → | | | |
| | Sunrise: Time, 6:00 Character, Cloudy Moonrise: | | | | | | 2 ast | + | 5 | + | 6 | ast | | | | | | | | | Sunset: Time, 4:51 Character, Cloudy Moonset: | | | |
| Sunshine (in tenths of hours) | | | | | | | 0 | 0 | 0.3 | 0.5 | 0.3 | 0.2 | 0 | 0 | 0 | 0 | 0 | | | | | | | |
| Wind direction | NW | NW | NW | W | W | W | W | W | NW | NW | NW | NW | NW | NW | NW | NW | NW | NW | NW | NW | NW | NW | NW | NW |
| Wind movement | 9 | 5 | 5 | 6 | 6 | 5 | 5 | 7 | 9 | 9 | 9 | 9 | 9 | 7 | 6 | 8 | 6 | 5 | 5 | 7 | 6 | 5 | 4 | 4 |
| Maximum velocities (exceeding 24 miles) direction and time | | | | | | | | | | | | | | | | | | | | | | | | |

Wind data corrected to true velocity.

| | Total duration. From— | To— | Total amount of precipitation. | Excessive rate. Began— | Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Excessive precipitation, accumulated amounts | | | | | | | | | | | | | | | | | | | | |

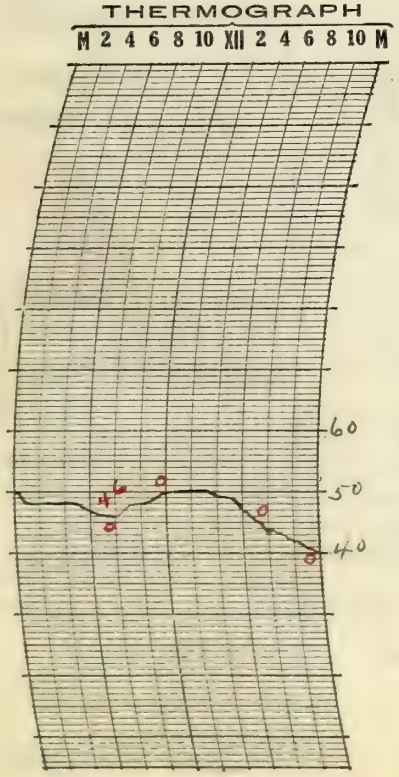
| Maximum Temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 50 | 40 | 45 | |

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0.29 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, .01 inches.
Character of day, Pt Cloudy Moon phase,
Average daily cloudiness (0-10), 7
Actual sunshine, hours, 1.3 Possible sunshine, hours, 10.8
Per cent of possible sunshine, 12
Prevailing wind direction, NW Total wind, 156
Average hourly velocity, 6.5 Extreme velocity, 12
Maximum velocity, 12 Direction, NW
Time began, 12:10 a. m.
Reduced barometer, 30.26 7a. m. 30.36 7p. m.
River gage, 0.1 feet
Relative humidity, 86 7a. m. 65 7p. m.

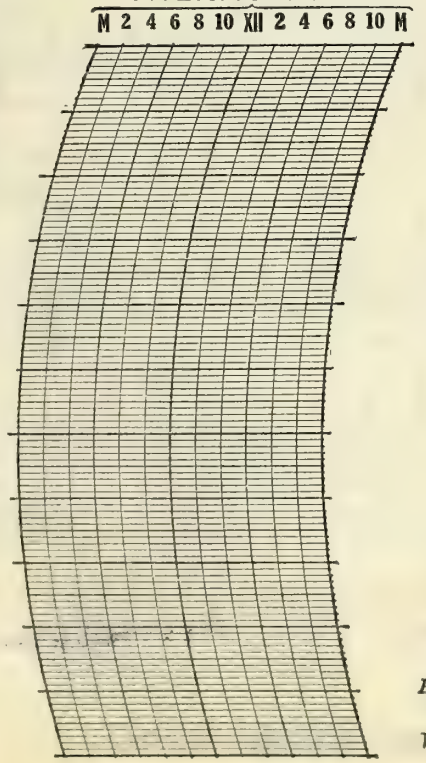
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 50.3 Wet temperature, 41.8
Dew-point, 31 R. humidity, 47 V. pressure, .172
Clouds: Amount, 3/4; Kind, cast; Direction, W
Velocity of clouds (miles per hour)

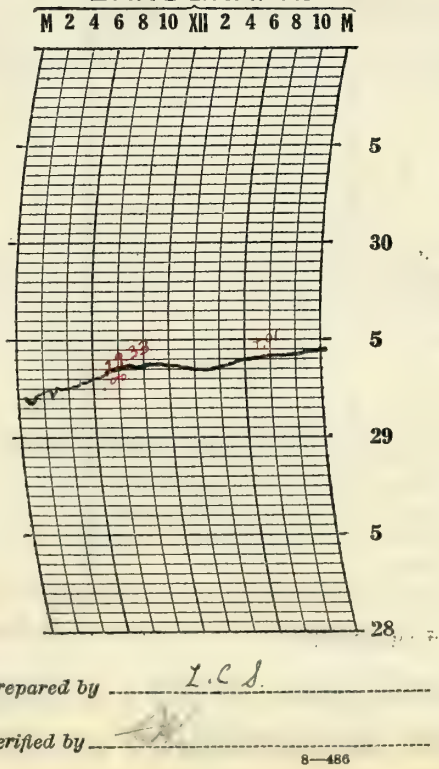
THERMOGRAPH




THERMOGRAPH




BAROGRAPH.




Prepared by I. C. S.

Verified by

8—486

## NOTES

Frost Warning was received and called to special list and given to newspapers and radio station during the early forenoon, somewhat delayed due to telephone system being impaired by the severe thunderstorm which occurred during the previous evening. Flying conditions were excellent all day.

Form No. 1014—Met'l

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Monday, (Date) OCT 23 1933, 193

Time (local standard) 90 mer. normal time.

| | A.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 | P.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Temperature at end of hour (40) | 40 | 39 | 40 | 39 | 38 | 37 | 37 | 39 | 40 | 42 | 44 | 45 | 46 | 47 | 46 | 46 | 45 | 44 | 43 | 42 | 41 | 41 | 41 | 41 |
| State of weather. Nature of precipitation and time of beginning and ending | | | | | | | | | | P+Cloudy | | | Cloudy | | | | | | P+Cldy | | Clear | | | |
| Amounts of precipitation | | | | | | | | | | | | | | | | | | | | | | | | |
| Cloudiness and other conditions | | | | | | | Ci | | | | Ci+ | Ci-Cu | | | | | | | Ci-St+Stcu | | | | | |
| Sunshine (in tenths of hours) | | | | | | | .97 0 | 0.9 0.1 | 0.4 | 0 | 0.5 | 0.5 | 0.6 | 0 | 0 | 0 | 0 | | | | | | | |
| Wind direction | NW | NW | NW | NW | N | N | N | NE | NE | NE | NE | NE | NE | NE | NE | NE | NE | NE | NE | NE | NE | NE | E | E |
| Wind movement | 3 | 4 | 6 | 9 | 7 | 7 | 7 | 8 | 10 | 9 | 9 | 8 | 7 | 8 | 9 | 9 | 7 | 6 | 6 | 5 | 6 | 7 | 6 | 7 |
| Maximum velocities (exceeding 24 miles) direction and time | | | | | | | | | | | | | | | | | | | | | | | | |

Sunrise: Time, 6:02 Character, Clear. Moonrise: ____ ____

Sunset: Time, 4:49 Character, Cloudy. Moonset: ____ ____

Wind data corrected to true velocity.

Excessive precipitation, accumulated amounts

| Total duration. From— | To— | Total amount of precipitation. | Excessive rate. Began— | Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | | | | | |

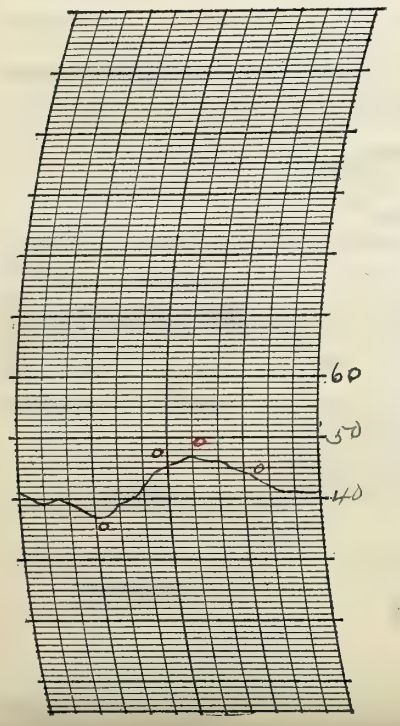
| Maximum Temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 47 | 37 | 42 | |

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, P+Cloudy Moon phase, ____
Average daily cloudiness (0-10), 7
Actual sunshine, hours, 4.0 Possible sunshine, hours, 10.8
Per cent of possible sunshine, 37
Prevailing wind direction, NE Total wind, 170
Average hourly velocity, 7.1 Extreme velocity, 12
Maximum velocity, 12 Direction, NE
Time began, 8:10 a.m.
Reduced barometer, 30.45 7 a. m. 30.28 7 p. m.
River gage, 0.1 feet
Relative humidity, 65 7 a. m. 58 7 p. m.

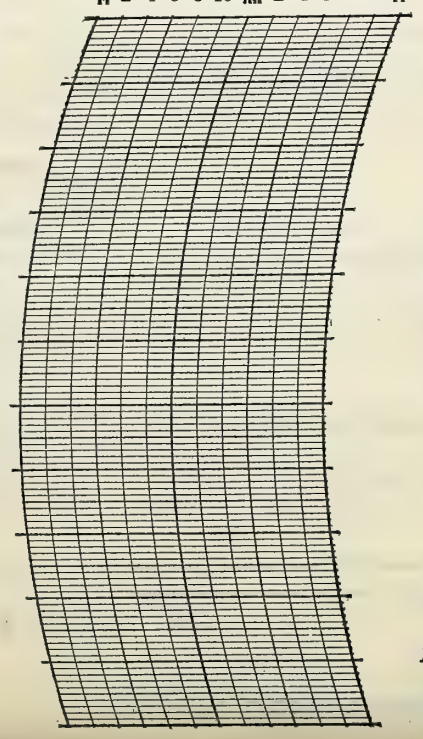
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 44.7 Wet temperature, 37.0
Dew-point, 26 R. humidity, 46 V. pressure, 136
Clouds: Amount, 3; Kind, Ci Cu; Direction, W
Velocity of clouds (miles per hour)

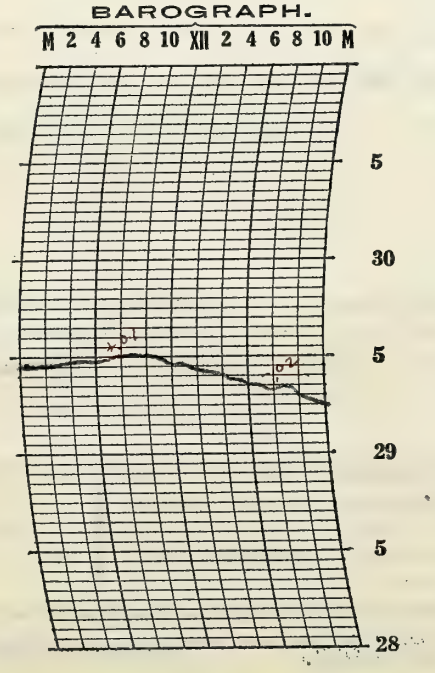
THERMOGRAPH




THERMOGRAPH




BAROGRAPH.




Prepared by P. C. S.

Verified by W.

8—486

## NOTES

Warning received day before fully verified. When heavy frost occurred during the early morning.

Flying conditions were excellent all day.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

Form No. 1014—Met'l

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(Station) Fort Wayne. Ind., (Day of week) Tuesday, (Date) OCT 24 1933, 193

Time (local standard) 90 mer. normal time.

| | A.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 | P.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Temperature at end of hour | 41 | 41 | 41 | 40 | 39 | 39 | 39 | 42 | 48 | 52 | 54 | 54 | 56 55 | 51 | 46 | 44 | 42 | 41 | 41 | 39 | 38 | 38 | 37 | 36 |
| State of weather. Nature of precipitation and time of beginning and ending | | | | | | | | | | | | | | | | | RB 4:50 RE 5:00 | | | | | | | |
| Amounts of precipitation | | | | | | | | | | | | | | | | | T | | | | | | | |
| Cloudiness and other conditions | | | | | | ← | | | | | Cloudy | → | | | | | | | | ×P+Cldy → | | | | |
| | Sunrise: Time, 6:03 Character, Cloudy Moonrise: | | | | | | a cu+a st+ | | | | | a st+cu | | | | | | | st+cu | | Sunset: Time, 4:48 Character, Cloudy Moonset: | | | | |
| Sunshine (in tenths of hours) | | | | | | | 0 | 0 | 0 | 0 | 0 | 0 | 0.6 | 0.1 | 0 | 0 | 0 | | | | | | | |
| Wind direction | E | SE | E | E | E | E | SE | S | SW | SW | W | W | W | NW | NW | NW | NW | NW | NW | NW | N | NW | N | N |
| Wind movement | 8 | 8 | 7 | 6 | 6 | 3 | 7 | 9 | 15 | 15 | 16 | 21 | 21 | 24 | 24 | 21 | 18 | 16 | 17 | 15 | 15 | 13 | 14 | 13 |
| Maximum velocities (exceeding 24 miles) direction and time | | | | | | | | | | | | 25 W 11:30 | | 27 NW 1:48 | 30 NW 2:25 | | | | | | | | | |

Wind data corrected to true velocity.

| Excessive precipitation, accumulated amounts | Total duration. From— | To— | Total amount of precipitation. | Excessive rate. Began— | Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | | | | | | |

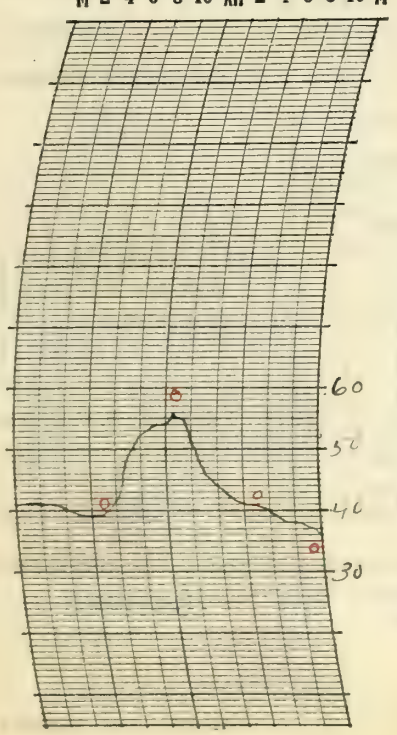
| Maximum Temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 56 | 36 | 46 | |

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., T ins.
Total precipitation, midnight to midnight, T inches.
Character of day, Cloudy Moon phase,
Average daily cloudiness (0-10), 10
Actual sunshine, hours, 0.7 Possible sunshine, hours, 10.8
Per cent of possible sunshine, 6
Prevailing wind direction, NW Total wind, 332
Average hourly velocity, 13.8 Extreme velocity, 34
Maximum velocity, 30 Direction, NW
Time began, 2:25 P.M.
Reduced barometer, 29.97 7 a. m. 30.06 7 p. m.
River gage, 0.1 feet
Relative humidity, 76 7 a. m. 67 7 p. m.

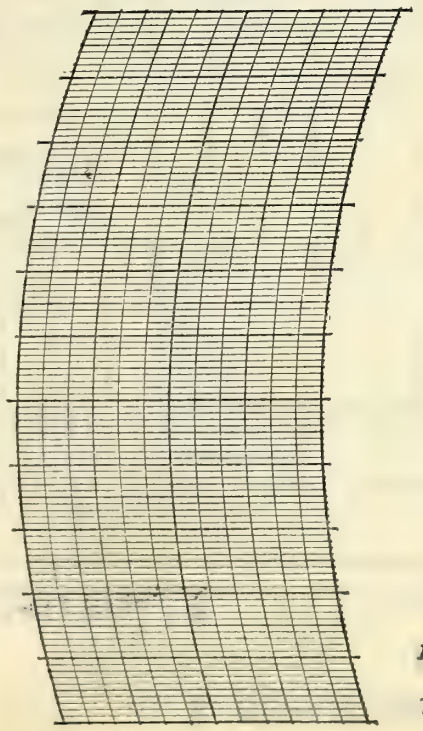
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 54.0 Wet temperature, 46.0
Dew-point, 38 R. humidity, 54 V. pressure, .228
Clouds: Amount, 8 2; Kind, cu sc; Direction, W
Velocity of clouds (miles per hour)

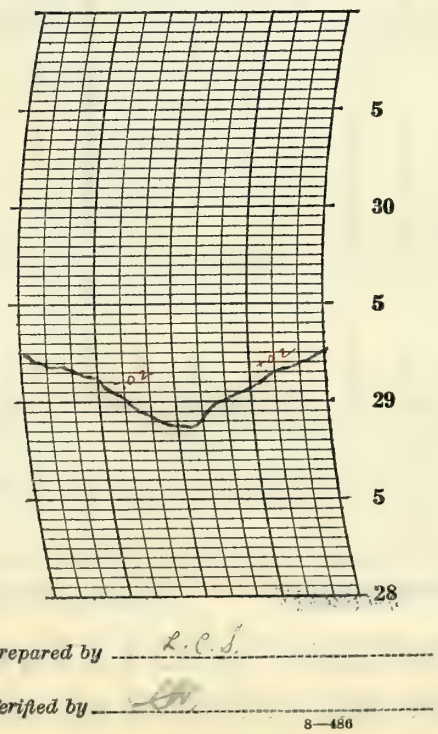
THERMOGRAPH




THERMOGRAPH




BAROGRAPH.




Prepared by L. C. S.

Verified by

8—486

## NOTES

Light local smoke was observed during the early morning.

Frost list was called warning them of near freezing temperatures for the following evening.

List was called about 8:30 a.m.

A faint solar halo was observed from 9:15 a.m. to 10:00 a.m.

Flying conditions were good all day. Winds were from fresh to strong from about 11:00 a.m. to about 4:00 p.m., no material damage has been reported and appears to be confined to small limbs blown from trees.

Form No. 1014—Met'1

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Wednesday, (Date) OCT 25 1933, 193

| Time (local standard) 90 mer. normal time. | A.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 | P.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Temperature at end of hour (36) | 36 | 34 | 33 | 33 | 32 | 31 | 31 | 33 | 35 | 36 | 37 | 38 | 39 | 40 | 42 | 40 | 39 | 38 | 38 | 36 | 35 | 34 | 33 | 32 |
| State of weather. Nature of precipitation and time of beginning and ending | | | | | | | | | | | | | | | | | | | | | | | | |
| Amounts of precipitation | | | | | | | | | | | | | | | | | | | | | | | | |
| Cloudiness and other conditions | | | | | | | | | | | | Clear / Cu | | | | | | | | | | | | |
| Sunshine (in tenths of hours) | | | | | | | .93 0 | 1.0 0 | 0.1 0.9 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 0.4 0.6 | .77 0 | | | | | | | |
| Wind direction | N | N | N | N | N | N | N | N | N | N | NE | NE | N | N | NE | NE | NE | NE | NE | NE | NE | E | E | E |
| Wind movement | 12 | 11 | 10 | 9 | 9 | 7 | 8 | 9 | 11 | 10 | 12 | 10 | 9 | 9 | 8 | 8 | 6 | 5 | 5 | 5 | 4 | 6 | 5 | 7 |
| Maximum velocities (exceeding 24 miles) direction and time | | | | | | | | | | | | | | | | | | | | | | | | |

Sunrise: Time, 6:04 Character, Clear. Moonrise: ____ ____

Sunset: Time, 4:46 Character, Clear. Moonset: ____ ____

Wind data corrected to true velocity.

| Excessive precipitation, accumulated amounts | Total duration From— | To— | Total amount of precipitation. | Excessive rate. Began— | Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | | | | | | |

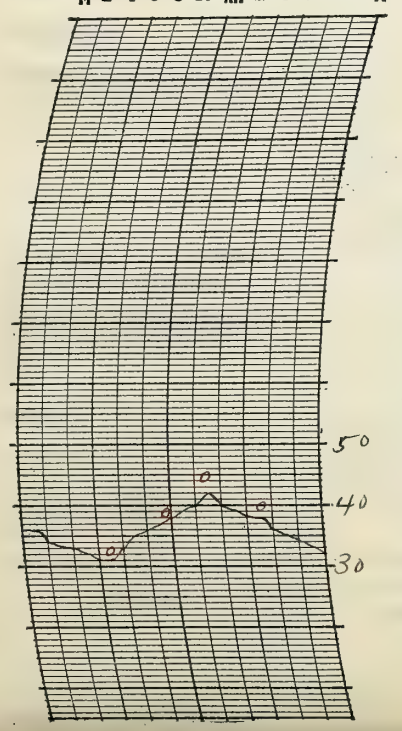
| Maximum Temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 42 | 31 | 36 | |

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Clear Moon phase, ____
Average daily cloudiness (0–10), Few
Actual sunshine, hours, 10.7 Possible sunshine, hours, 10.7
Per cent of possible sunshine, 100
Prevailing wind direction, N Total wind, 195
Average hourly velocity, 8.1 Extreme velocity, 15
Maximum velocity, 15 Direction, N
Time began, 12:15 a.m.
Reduced barometer, 30.36 7 a. m. 30.35 7 p. m.
River gage, 0.2 Feet
Relative humidity, 83 7 a. m. 47 7 p. m.

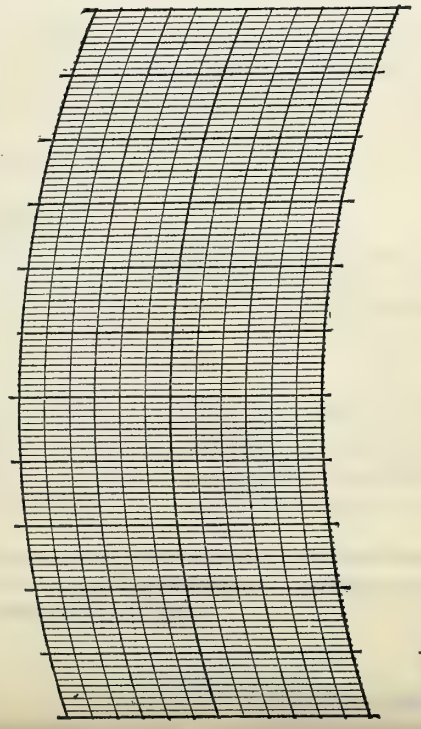
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 37.5 Wet temperature, 31.8
Dew-point, 20 R. humidity, 46 V. pressure, .103
Clouds: Amount, 7 ew; Kind, Cu; Direction, ?
Velocity of clouds (miles per hour) ____

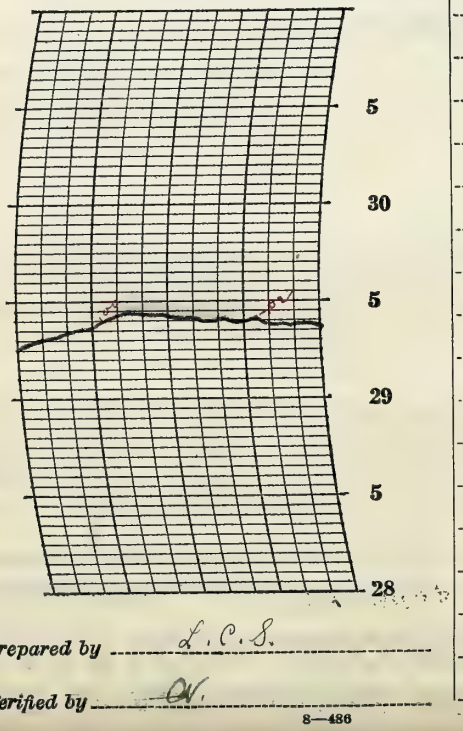
THERMOGRAPH




THERMOGRAPH




BAROGRAPH.




Prepared by L.C.S.

Verified by CV.

8—486

## NOTES

Heavy frost occurred during the early morning hours.
Frost Warning was received and called to newspapers and radio station and called to special list and printed on daily bulletin about 8:30 a.m.
Light local smoke occurred during the early evening.
Flying Conditions were excellent all day.

Form No. 1014—Met'1

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Thursday, (Date) OCT 26 1933, 193

Time (local standard) 90 mer. normal time.

| | A.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Temperature at end of hour (32) | 32 | 33 | 33 | 32 | 33 | 32 | 33 | 36 | 39 | 42 | 46 | 48 |
| State of weather. Nature of precipitation and time of beginning and ending | | | | | | | | | | | | |
| Amounts of precipitation | | | | | | | | | | | | |
| Cloudiness and other conditions | | | | | | | Ci & Cu | | | | Ci & Cu | Pt Cloudy |
| Sunrise: Time, 6:05 Character, Clear / Moonrise: | | | | | | | | | | | | |
| Sunshine (in tenths of hours) | | | | | | | 9.2 0 | 0.8 0.2 | 1.0 | 1.0 | 0.9 | 1.0 |
| Wind direction | SE | SE | SE | SE | SE | SE | SE | SE | S | S | S | S |
| Wind movement | 8 | 7 | 8 | 9 | 12 | 11 | 8 | 11 | 15 | 15 | 14 | 13 |
| Maximum velocities (exceeding 24 miles) direction and time | | | | | | | | | | | | |

| | P.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Temperature at end of hour | 50 | 51 | 52 | 52 | 51 | 50 | 50 | 49 RB 7:05 RE 7:08 | 49 | 49 | 48 | 47 |
| State of weather. Nature of precipitation and time of beginning and ending | | | | | | | | | | | | |
| Amounts of precipitation | | | | | | | | T | | | | |
| Cloudiness and other conditions | | | | | Cloudy | | | | | | | |
| Sunset: Time, 4:45 Character, Cloudy / Moonset: | | | | | | | St Cu | | | | | |
| Sunshine (in tenths of hours) | 1.0 | 1.0 | 0.6 | 0.1 | 0 | | | | | | | |
| Wind direction | S | S | S | S | S | S | S | S | S | SW | SW | SW |
| Wind movement | 13 | 14 | 13 | 12 | 8 | 7 | 7 | 8 | 9 | 10 | 9 | 10 |
| Maximum velocities (exceeding 24 miles) direction and time | | | | | | | | | | | | |

Wind data corrected to true velocity.

| Excessive precipitation, accumulated amounts | Total duration. From— | To— | Total amount of precipitation. | Excessive rate. Began— | Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | | | | | | |

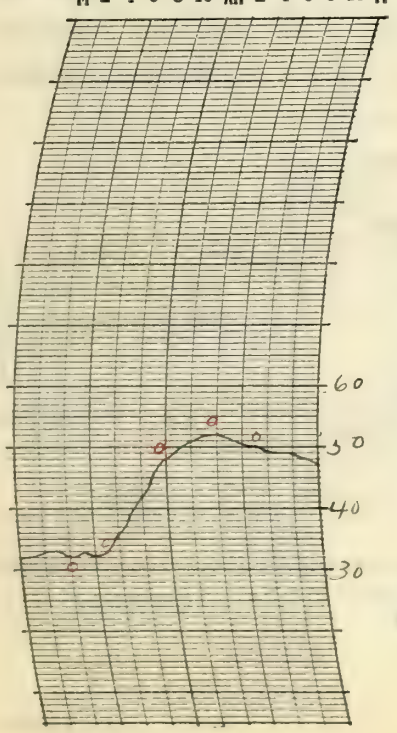
| Maximum Temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 52 | 32 | 42 | |

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, T inches.
Character of day, Pt Cloudy Moon phase,
Average daily cloudiness (0-10), 6
Actual sunshine, hours, 8.5 Possible sunshine, hours, 10.7
Per cent of possible sunshine, 79
Prevailing wind direction, S Total wind, 251
Average hourly velocity, 10.5 Extreme velocity, 19
Maximum velocity, 19 Direction, SE
Time began, 8:49 a.m.
Reduced barometer, 30.21 7 a. m. 29.87 7 p. m.
River gage, 0.1 feet
Relative humidity, 72 7 a. m. 50 7 p. m.

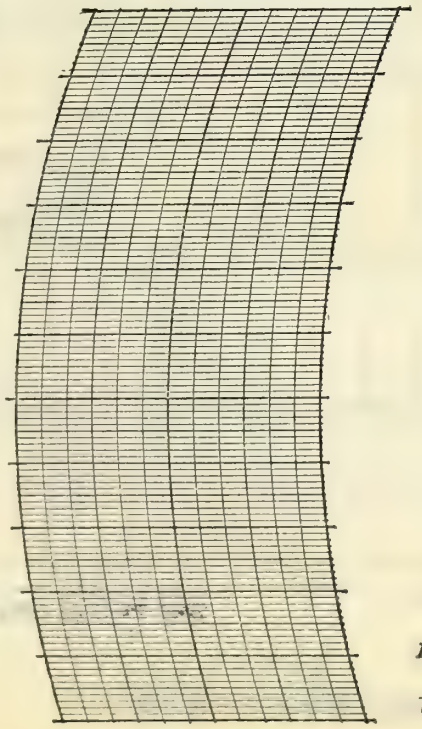
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 48.0 Wet temperature, 39.3
Dew-point, 28 R. humidity, 44 V. pressure, 1.50
Clouds: Amount, 3 ci; Kind, Cu; Direction, SW
Velocity of clouds (miles per hour)

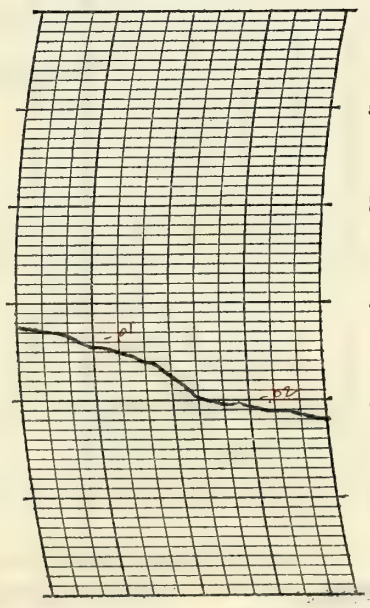
THERMOGRAPH




THERMOGRAPH




BAROGRAPH.




Prepared by L. C.

Verified by

8—486

## NOTES

Light local smoke occurred during the early morning.

The remainder of the tender vegetations was killed this morning when a heavy frost occurred. Warning of day before fully verified. The more hardy plants withstood all frost thus far.

Lying conditions were good all day.

Form No. 1014—Met'1

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Friday, (Date) OCT 27 1933, 193

Time (local standard) 90 mer. normal time.

| | A.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 | P.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Temperature at end of hour (47) | 47 | 46 | 46 | 44 | 44 | 44 | 44 | 40 | 38 | 39 | 40 | 40 | 39 | 38 | 39 | 39 | 38 | 38 | 38 | 37 | 37 | 37 | 36 | 36 |
| State of weather. Nature of precipitation and time of beginning and ending | | | | | | | | | | | | | | | | | | | | | | | | |
| Amounts of precipitation | | | | | | | | | | | | | | | | | | | | | | | | |
| Cloudiness and other conditions | | | | | | | St Cu | | | | | St Cu | | | | | | | St Cu | | | | | |
| Sunshine (in tenths of hours) | | | | | | | 0 | 0.2 | 0.7 | 0.6 | 0.5 | 0.2 | 0 | 0 | 0 | 0 | 0 | | | | | | | |
| Wind direction | SW | SW | W | W | W | W | W | W | W | W | W | NW | NW | NW | NW | NW | NW | NW | NW | N | N | NE | NE | NE |
| Wind movement | 10 | 12 | 12 | 15 | 12 | 15 | 18 | 16 | 15 | 15 | 14 | 14 | 13 | 12 | 11 | 10 | 10 | 8 | 7 | 9 | 7 | 6 | 7 | 5 |
| Maximum velocities (exceeding 24 miles) direction and time | | | | | | | | | | | | | | | | | | | | | | | | |

Sunrise: Time, 6:06 Character, Cloudy
Moonrise: ____ ____

Sunset: Time, 4:44 Character, Cloudy
Moonset: ____ ____

Wind data corrected to true velocity.

| Excessive precipitation, accumulated amounts | Total duration. From— | To— | Total amount of precipitation. | Excessive rate. Began— | Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | | | | | | |

| Maximum Temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 47 | 36 | 42 | |

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., T ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Cloudy Moon phase, ____
Average daily cloudiness (0-10), 9
Actual sunshine, hours, 2.2 Possible sunshine, hours, 10.6
Per cent of possible sunshine, 21
Prevailing wind direction, W Total wind, 273
Average hourly velocity, 11.4 Extreme velocity, 22
Maximum velocity, 22 Direction, W
Time began, 6:28 a m.
Reduced barometer, 29.87 7 a. m. 30.13 7 p. m.
River gage, 0.0 feet
Relative humidity, 74 7 a. m. 61 7 p. m.

OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 40.4 Wet temperature, 35.2
Dew-point, 28 R. humidity, 60 V. pressure, 1.50
Clouds: Amount, 10; Kind, St Cu; Direction, NW
Velocity of clouds (miles per hour) ____

THERMOGRAPH
M 2 4 6 8 10 XII 2 4 6 8 10 M
50 40 30

THERMOGRAPH
M 2 4 6 8 10 XII 2 4 6 8 10 M

BAROGRAPH.
M 2 4 6 8 10 XII 2 4 6 8 10 M
5 30 5 29 5 28

Prepared by L. C. S.
Verified by ____

8—486

## NOTES

7 frost list was called Warning of freezing to sub-freezing temperatures to occur during the night. List was called about 8:30 a.m.
7 lying conditions good all day

Form No. 1014—Met'l

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Saturday, (Date) OCT 28 1905, 193

Time (local standard) 90 mer. normal time.

| | A.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 | P.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Temperature at end of hour | 36 | 36 | 36 | 35 | 34 | 33 | 34 | 34 | 34 | 36 | 38 | 39 | 40 | 43 | 44 | 44 | 44 | 43 | 43 | 42 | 44 | 44 | 42 | 43 |
| State of weather. Nature of precipitation and time of beginning and ending | | | | | | | | | | | | | | | | | | | | | | | | |
| Amounts of precipitation | | | | | | | | | | | | | | | | | | | | | | | | |
| Cloudiness and other conditions | | | | | | ← | | | | Cloudy | | → | | × | | | | Pc-Cloudy | | → | × | Clear → | | |
| | | | | | | | a st+ stu | | | | | | | ast+ stu | | | | | ai cu | | | | | |
| Sunshine (in tenths of hours) | | | | | | | 0 | 0 | 0 | 0 | 0 | 0.1 | 0.3 | 0.6 | 0.2 | 0.2 | 0 | | | | | | | |
| Wind direction | NE | NE | NE | NE | NE | NE | E | E | E | E | E | SE | E | SE | SE | SE | SE | E | E | SE | SE | SE | SE | S |
| Wind movement | 5 | 5 | 6 | 8 | 8 | 7 | 8 | 9 | 11 | 11 | 11 | 12 | 12 | 11 | 12 | 12 | 10 | 8 | 9 | 9 | 10 | 10 | 9 | 9 |
| Maximum velocities (exceeding 24 miles) direction and time | | | | | | | | | | | | | | | | | | | | | | | | |

Sunrise: Time 6:07, Character Cloudy. Moonrise: ____ ____

Sunset: Time 4:42, Character Cloudy. Moonset: ____ ____

Wind data corrected to true velocity.

Excessive precipitation, accumulated amounts

| Total duration. From— | To— | Total amount of precipitation. | Excessive rate. Began— | Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | | | | | |

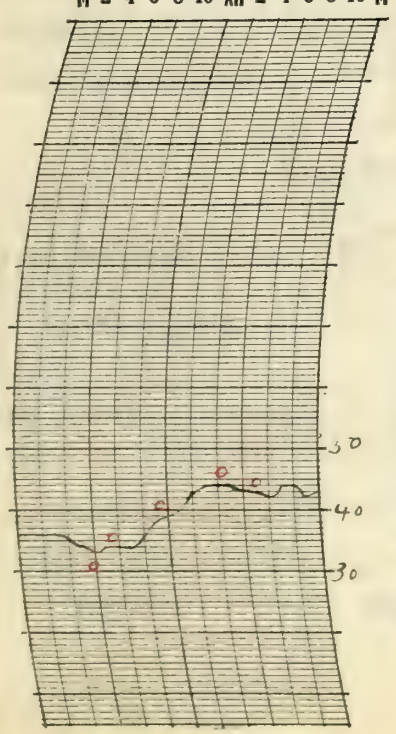
| Maximum Temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 44 | 33 | 38 | |

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Cloudy Moon phase, ____
Average daily cloudiness (0-10), 8
Actual sunshine, hours, 1.4 Possible sunshine, hours, 10.6
Per cent of possible sunshine, 13
Prevailing wind direction, SE Total wind, 222
Average hourly velocity, 9.2 Extreme velocity, 15
Maximum velocity, 14 Direction, SE
Time began, 3:24 Pm
Reduced barometer, 30.30 7 a. m. 30.14 7 p. m.
River gage, 0.5 feet
Relative humidity, 63 7 a. m. 58 7 p. m.

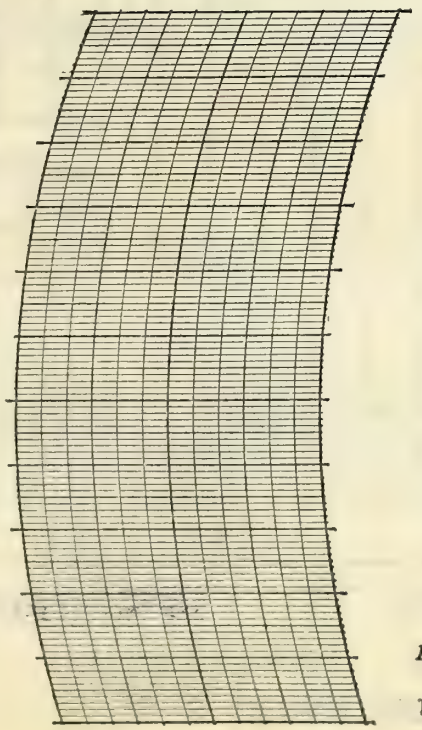
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 40.0 Wet temperature, 33.2
Dew-point, 22 R. humidity, 47 V. pressure, 1.113
Clouds: Amount, 8/10; Kind, a st+ su; Direction, SE
Velocity of clouds (miles per hour) ____

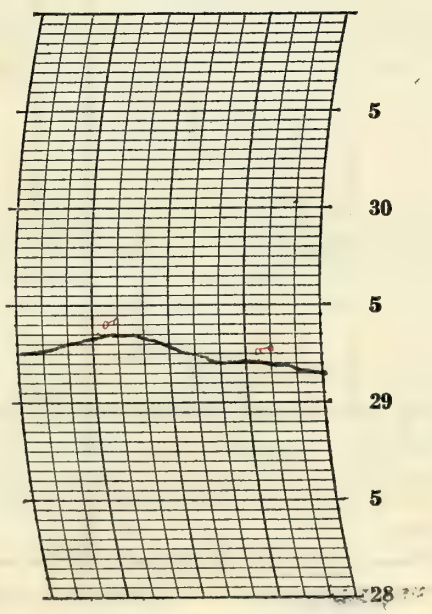
THERMOGRAPH




THERMOGRAPH




BAROGRAPH.




Prepared by L. C. J.

Verified by ____

8—486

## NOTES

Flying conditions were excellent all day.
Bright Lunar Halo was observed from
6:40 P M to 6:50 P M.

Form No. 1014—Met'1

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Sunday, (Date) OCT 29 1933, 193

| Time (local standard) 75° mer. normal time. | A.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 | P.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Temperature at end of hour (43) | 43 | 45 | 48 | 48 | 47 | 46 | 48 | 49 | 54 | 60 | 63 | 66 | 68 | 69 | 70 | 69 | 66 | 64 | 62 | 60 | 58 | 57 | 56 | 55 |
| State of weather: Nature of precipitation and time of beginning and ending | | | | | | | | | | | | | | | | | | | | | | | | |
| State of weather: Amounts of precipitation | | | | | | | | | | | | | | | | | | | | | | | | |
| State of weather: Cloudiness and other conditions | | | | | | | | | | | | Clear | | | | | | | | | | | | |
| Sunshine (in tenths of hours) | | | | | | | 8.5 0 | 0.9 0.1 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 0.4 0.6 | 1.6 8 0 | | | | | | | |
| Wind direction | S | S | S | SW | SW | S | SW | SW | SW | SW | W | W | W | SW | SW | W | W | W | W | W | W | W | W | W |
| Wind movement | 9 | 11 | 13 | 9 | 9 | 9 | 9 | 12 | 11 | 12 | 15 | 15 | 15 | 15 | 14 | 13 | 7 | 6 | 5 | 4 | 5 | 3 | 4 | 5 |
| Maximum velocities (exceeding 24 miles) direction and time | | | | | | | | | | | | | | | | | | | | | | | | |

Sunrise: Time, 6:09 Character, Clear
Moonrise: ---- ----
Sunset: Time, 4:41 Character, Clear
Moonset: ---- ----

Wind data corrected to true velocity.

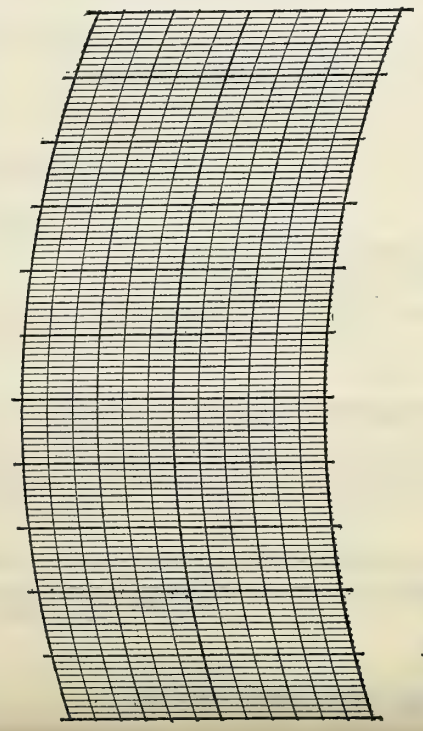
| Excessive precipitation, accumulated amounts | Total duration. From— | To— | Total amount of precipitation. | Excessive rate. Began— | Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | | | | | | |

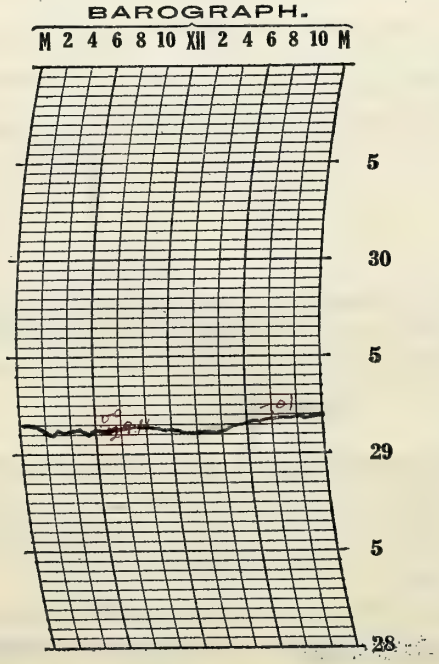
| Maximum Temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 70 | 43 | 56 | |

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Clear Moon phase, ----
Average daily cloudiness (0-10), 0
Actual sunshine, hours, 10.5 Possible sunshine, hours, 10.5
Per cent of possible sunshine, 100
Prevailing wind direction, W Total wind, 230
Average hourly velocity, 9.6 Extreme velocity, 20
Maximum velocity, 18 Direction, SW
Time began, 12:03 P.M.
Reduced barometer, 30.05 7 a. m. 30.07 7 p. m.
River gage, 0.3 feet
Relative humidity, 74 7 a. m. 68 7 p. m.

OBSERVATIONS AT 12 NOON.
(Local Mean Time.)
Dry temperature, 66.3 Wet temperature, 57.0
Dew-point, 51 R. humidity, 56 V. pressure, .373
Clouds: Amount, 0; Kind, 0; Direction, 0
Velocity of clouds (miles per hour) ----

THERMOGRAPH
M 2 4 6 8 10 XII 2 4 6 8 10 M
70 60 50 40




Prepared by L. C. S.
Verified by ----

8—486

## NOTES

Flying conditions were excellent all day.
Light fog began at 9:30 P.M. and continued into the following day.

Form No. 1014—Met'1
U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

Form No. 1014—Met'1

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Monday, (Date) OCT 30 1933, 193

Time (local standard) 90 mer. normal time.

| | A.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 | P.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Temperature at end of hour | 54 | 53 | 52 | 51 | 50 | 48 | 48 | 50 | 56 | 62 | 68 | 72 | 74 | 74 | 74 | 74 | 70 | 68 | 67 | 64 | 63 | 61 | 60 | 59 |
| State of weather. Nature of precipitation and time of beginning and ending | | | | | | | | | | | | | | | | | | | | | | | | |
| Amounts of precipitation | | | | | | | | | | | | | | | | | | | | | | | | |
| Cloudiness and other conditions | | | | | | ← | | | | | | Clear | | | | | | | | | | | | → |
| Sunshine (in tenths of hours) | | | | | | | 0 | 0.1 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 0.5 | 0 | | | | | | | |
| Wind direction | W | W | W | W | W | W | W | W | W | SW | SW | W | W | W | W | W | W | W | W | W | W | W | W | W |
| Wind movement | 4 | 8 | 7 | 4 | 3 | 6 | 5 | 5 | 7 | 7 | 8 | 10 | 11 | 11 | 12 | 8 | 5 | 5 | 4 | 5 | 6 | 6 | 6 | 7 |
| Maximum velocities (exceeding 24 miles) direction and time | | | | | | | | | | | | | | | | | | | | | | | | |

Sunrise: Time, 6:10; Character, Foggy to 7:20 A

Moonrise:

Sunset: Time, 4:40; Character, Clear

Moonset:

Wind data corrected to true velocity.

| Total duration. From— | To— | Total amount of precipitation. | Excessive rate. Began— | Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | | | | | |

Excessive precipitation, accumulated amounts

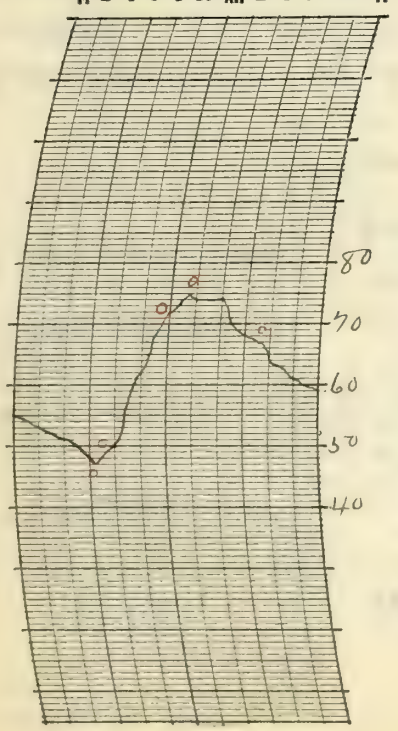
| Maximum Temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 75 | 47 | 61 | |

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Clear Moon phase,
Average daily cloudiness (0-10), 1
Actual sunshine, hours, 9.4 Possible sunshine, hours, 10.5
Per cent of possible sunshine, 90
Prevailing wind direction, W Total wind, 160
Average hourly velocity, 6.7 Extreme velocity, 15
Maximum velocity, 14 Direction, W
Time began, 12:20 p.m.
Reduced barometer, 30.15 7 a. m. 30.09 7 p. m.
River gage, 0.3 feet
Relative humidity, 99 7 a. m. 71 7 p. m.

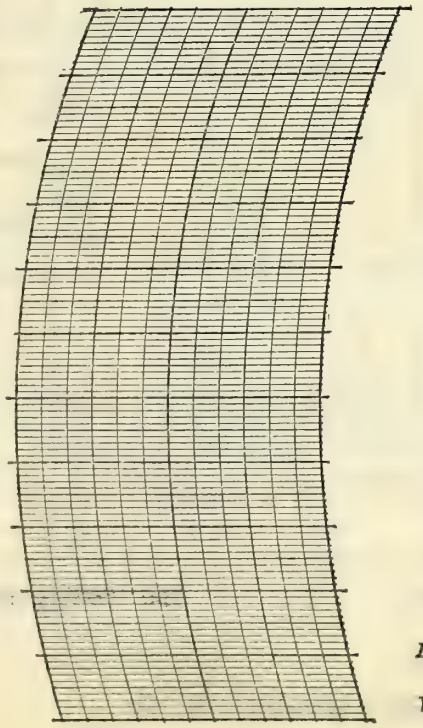
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 72.3 Wet temperature, 63.2
Dew-point, 58 R. humidity, 61 V. pressure, 482
Clouds: Amount, 0; Kind, 0; Direction, 0
Velocity of clouds (miles per hour)

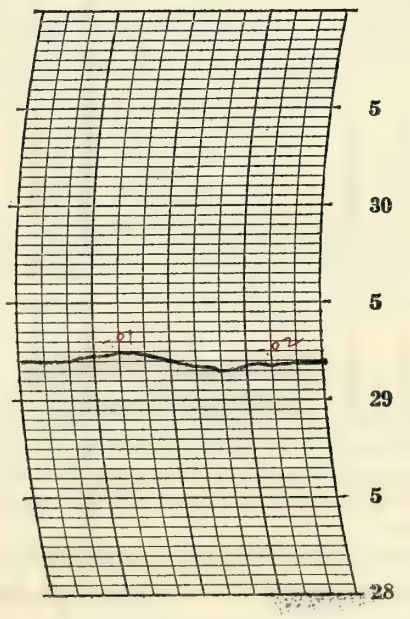
THERMOGRAPH




THERMOGRAPH




BAROGRAPH.




Prepared by L.C.S

Verified by

8—486

## NOTES

Light fog continuing from previous day became dense 5.N.9 and continued so until 7:20 a.m when it again became light and continued so until 8:30 a.m
Light fog began in lowlands at 8:30 p.m and continued into following day.
Flying conditions excellent after 8:30 a.m.

Form No. 1014—Met'1

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind, (Day of week) Tuesday, (Date) OCT 31 1933, 193

Time (local standard) 90 mer. normal time.

| | A.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 | P.M. (Halloween) 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Temperature at end of hour | 59 58 | 57 | 56 | 55 | 54 | 53 | 52 | 57 | 63 | 70 | 73 | 75 | 78 | 78 | 77 | 76 | 73 | 71 | 69 | 66 | 63 | 62 | 61 | 60 |
| State of weather. Nature of precipitation and time of beginning and ending | | | | | | | | | | | | | | | | | | | | | | | | |
| Amounts of precipitation | | | | | | | | | | | | | | | | | | | | | | | | |
| Cloudiness and other conditions | | | | | | | | | | | | Clear Cu | | | | | | | | | | | | |
| Sunshine (in tenths of hours) | | | | | | | .82 0 | 1.0 0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 0.4 0.6 | .63 0 | | | | | | | |
| Wind direction | W | W | W | W | W | W | W | W | W | SW | W | W | W | W | S | S | S | S | S | S | S | S | S | S |
| Wind movement | 7 | 7 | 5 | 5 | 6 | 5 | 6 | 5 | 7 | 7 | 7 | 6 | 7 | 6 | 9 | 7 | 5 | 5 | 2 | 2 | 5 | 3 | 3 | 2 |
| Maximum velocities (exceeding 24 miles) direction and time | | | | | | | | | | | | | | | | | | | | | | | | |

Sunrise: Time, 6:11 Character, Clear
Moonrise:
Sunset: Time, 4:38 Character, Clear
Moonset:

Wind data corrected to true velocity.

| Total duration. From— | To— | Total amount of precipitation. | Excessive rate. Began— | Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | | | | | |

Excessive precipitation, accumulated amounts

| Maximum Temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 78 | 52 | 65 | |

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Clear Moon phase,
Average daily cloudiness (0-10), 7 cw
Actual sunshine, hours, 10.4 Possible sunshine, hours, 10.4
Per cent of possible sunshine, 100
Prevailing wind direction, W Total wind, 129
Average hourly velocity, 5.4 Extreme velocity, 9
Maximum velocity, 9 Direction, W
Time began, 10:58 a.m.
Reduced barometer, 30.13 7 a. m. 30.06 7 p. m.
River gage, 0.2 feet
Relative humidity, 97 7 a. m. 67 7 p. m.

OBSERVATIONS AT 12 NOON.
(Local Mean Time.)
Dry temperature, 75.3 Wet temperature, 64.3
Dew-point, 58 R. humidity, 55 V. pressure, 482
Clouds: Amount, 7 ew; Kind, acw; Direction, 9
Velocity of clouds (miles per hour)

THERMOGRAPH
M 2 4 6 8 10 XII 2 4 6 8 10 M
80 70 60 50

THERMOGRAPH
M 2 4 6 8 10 XII 2 4 6 8 10 M

BAROGRAPH.
M 2 4 6 8 10 XII 2 4 6 8 10 M
5 30 5 29 5 28

Prepared by L.C.S.
Verified by CV

8—486

## NOTES

Light fog continuing from previous day ended at 8:00 a.m.
Flying conditions excellent after fog ended. This is the warmest Halloween in 33 years!

Form No. 1014—Met'l

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Wednesday, (Date) NOV 1 1933, 193

Time (local standard) 90 mer. normal time.

| | A.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 | P.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Temperature at end of hour (60) | 59 | 58 | 58 | 57 | 57 | 56 | 58 | 61 | 66 | 72 | 74 | 75 | 76 | 77 | 77 | 76 | 73 | 71 | 69 | 67 | 66 | 64 | 62 | 61 |
| State of weather. Nature of precipitation and time of beginning and ending | | | | | | | P+ | | | | | | | | | | | | | | | | | |
| Amounts of precipitation | | | | | | | | | | | | | | | | | | | | | | | | |
| Cloudiness and other conditions | | | | | | | Cloudy | × | | | | Clear | → | | | | | | | | | | | |
| | | | | | | | aCu+St+Cu | | | | | CiSt+ | | | | | | | aCu | | | | | |
| Sunshine (in tenths of hours) | | | | | | | .50 0 | .9 0.1 | 0.7 | 0.9 | 1.0 | 1.0 | 1.0 | 1.0 | 0.8 | .5 0.5 | .62 0 | | | | | | | |
| Wind direction | S | S | S | S | S | 0 | S | S | S | S | S | S | S | S | SW | S | S | S | S | SE | SE | SE | SE | SE |
| Wind movement | 2 | 2 | 2 | 2 | 3 | 1 | 2 | 5 | 7 | 7 | 8 | 9 | 9 | 9 | 9 | 7 | 6 | 5 | 7 | 8 | 7 | 8 | 7 | 5 |
| Maximum velocities (exceeding 24 miles) direction and time | | | | | | | | | | | | | | | | | | | | | | | | |

Sunrise: Time 6:12, Character Cloudy until 6:30 a.m.
Moonrise:
Sunset: Time 4:37, Character Clear
Moonset:

Wind data corrected to true velocity.

| Total duration. From— | To— | Total amount of precipitation. | Excessive rate. Began— | Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | | | | | |

Excessive precipitation, accumulated amounts

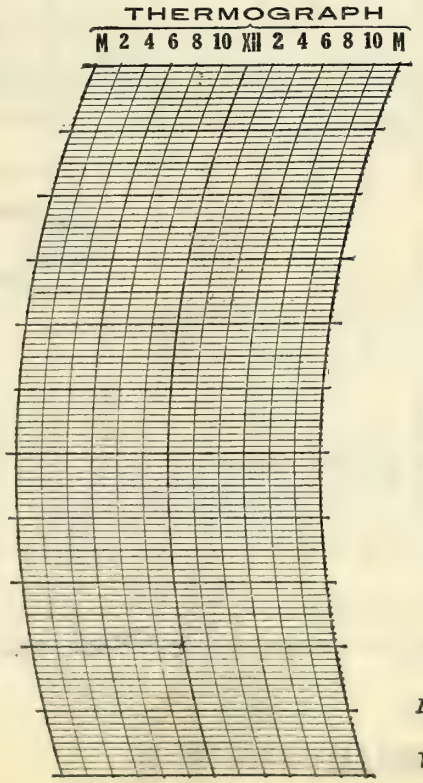
| Maximum Temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 77 | 56 | 66 | |

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Clear Moon phase,
Average daily cloudiness (0-10), 3
Actual sunshine, hours, 9.5 Possible sunshine, hours, 10.4
Per cent of possible sunshine, 91
Prevailing wind direction, S Total wind, 137
Average hourly velocity, 5.7 Extreme velocity, 11
Maximum velocity, 11 Direction, S
Time began, 2:50 PM
Reduced barometer, 30.09 7 a. m. 30.00 7 p. m.
River gage, 0.5 feet
Relative humidity, 85 7 a. m. 59 7 p. m.

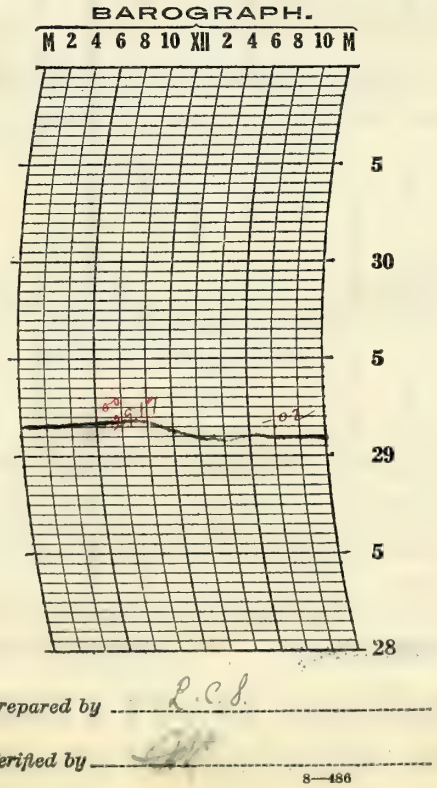
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 74.8 Wet temperature, 62.0
Dew-point, 54 R. humidity, 49 V. pressure, .417
Clouds: Amount, 1; Kind, CiSt; Direction, P
Velocity of clouds (miles per hour)

THERMOGRAPH
M 2 4 6 8 10 XII 2 4 6 8 10 M
80 70 60 50



THERMOGRAPH
M 2 4 6 8 10 XII 2 4 6 8 10 M



BAROGRAPH.
M 2 4 6 8 10 XII 2 4 6 8 10 M
5 30 5 29 5 28



Prepared by R. C. S.

Verified by

8—486

## NOTES

Light local smoke in early morning. Flying conditions were excellent all day.

Form No. 1014—Met'1

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(Station) ~~Fort Wayne, Ind.~~, (Day of week) Thursday, (Date) NOV 2 1933, 193

Time (local standard) 90 mer. normal time.

| | A.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 | P.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Temperature at end of hour (61) | 59 | 59 | 58 | 57 | 56 | 56 | 55 | 55 | 58 | 64 | 68 | 73 | 74 | 74 | 74 | 72 | 70 | 68 | 67 | 64 | 54 | 50 | 47 | 46 |
| State of weather: Nature of precipitation and time of beginning and ending | | | | | | | | | | | | | | | | | | | | | RB 8:45 RE 8:55 | RB DNP | | R cont'd |
| Amounts of precipitation | | | | | | | | | | | | | | | | | | | | | T | T | .04 | .10 |
| Cloudiness and other conditions | | | | | | ← | | | | | | Clear | | | × | Cloudy | | | | | | | | |
| | | | | | | | Cu | | | | | Ci St | | | | | | | Ac Cu | | | | | |
| Sunshine (in tenths of hours) | | | | | | | .78 0 | 1.0 0 | 1.0 | 1.0 | 1.0 | 1.0 | 0.5 | 0.8 | 0.9 | 0.1 | 0 | | | | | | | |
| Wind direction | SE | SE | SE | SE | SE | SE | SE | SE | SW | S | SW | SW | SW | SW | SW | SW | SW | SW | S | S | NW | NW | NW | NW |
| Wind movement | 7 | 6 | 5 | 4 | 4 | 4 | 4 | 6 | 9 | 9 | 8 | 9 | 10 | 11 | 12 | 10 | 8 | 8 | 9 | 10 | 14 | 13 | 14 | 11 |

Sunrise: Time, 6:13 Character, Clear
Moonrise:
Sunset: Time, 4:36 Character, Cloudy
Moonset:

Maximum velocities (exceeding 24 miles) direction and time

Wind data corrected to true velocity.

Excessive precipitation, accumulated amounts

| Total duration. From— | To— | Total amount of precipitation. | Excessive rate. Began— | Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | | | | | |

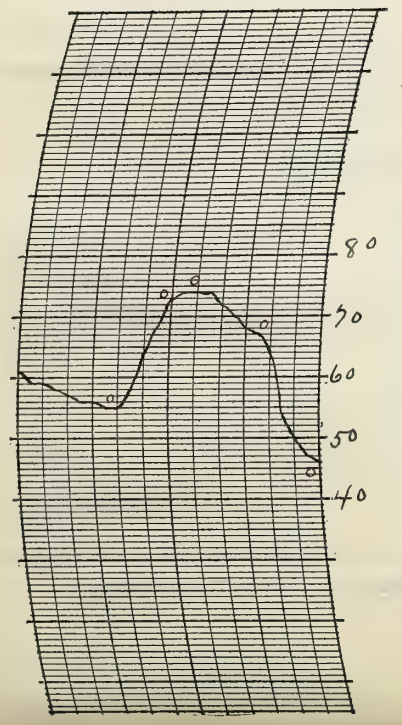
| Maximum Temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 74 | 46 | 60 | |

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0.14 inches.
Character of day, Clear Moon phase,
Average daily cloudiness (0-10), 2
Actual sunshine, hours, 8.1 Possible sunshine, hours, 10.4
Per cent of possible sunshine, 78
Prevailing wind direction, SW Total wind, 205
Average hourly velocity, 8.5 Extreme velocity, 18
Maximum velocity, 17 Direction, NW
Time began, 9:23 P. m.
Reduced barometer, 30.00 7 a. m. 29.87 7 p. m.
River gage, 0.5 ~~feet~~
Relative humidity, 86 7 a. m. 61 7 p. m.

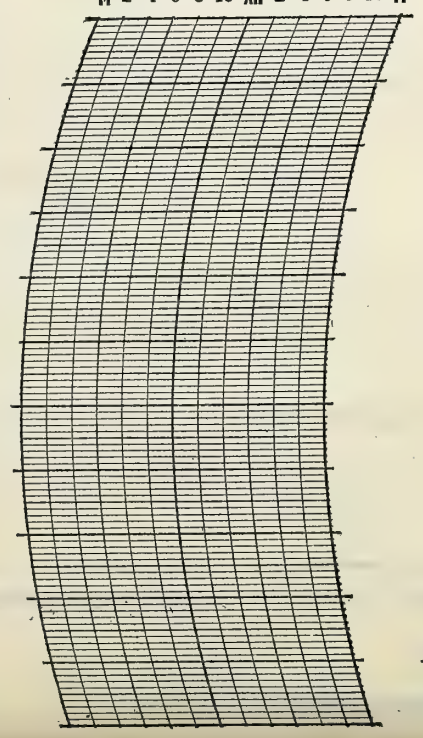
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 73.0 Wet temperature, 61.2
Dew-point, 53 R. humidity, 51 V. pressure, 402
Clouds: Amount, 7 ew; Kind, Ci St; Direction, ?
Velocity of clouds (miles per hour)

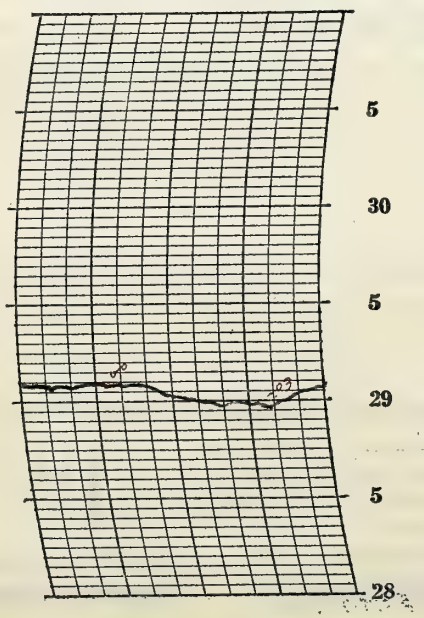
THERMOGRAPH




THERMOGRAPH




BAROGRAPH.




Prepared by L.C.S.
Verified by W.

8—486

## NOTES

Fair flying conditions were excellent all day.

Form No. 1014—Met'1

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

Form No. 1014—Met'l

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Friday, (Date) NOV 3 1933, 193

Time (local standard) 90 mer. normal time.

| | A.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 | P.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Temperature at end of hour (46) | 46 | 46 | 46 | 46 | 44 | 43 | 42 | 42 | 42 | 42 | 42 | 44 | 45 | 46 | 48 | 46 | 45 | 43 | 42 | 40 | 38 | 36 | 34 | 33 |
| State of weather: Nature of precipitation and time of beginning and ending | R cont'd | RE DNA | | | | | | | | | | | | | | | | | | | | | | |
| Amounts of precipitation | .02 | T | | | | | | | | | | | | | | | | | | | | | | |
| Cloudiness and other conditions | | | | | | ← | Cloudy | | | → | × Pt Cloudy | | × | | ← | Clear | | | | | | → | | |
| Sunrise: Time, Character, 6:15 Cloudy / Moonrise: | | | | | | | St | | | | | a Cu | | | | | | | | | Sunset: Time, Character, 4:35 Clear / Moonset: | | | |
| Sunshine (in tenths of hours) | | | | | | | 0 | 0 | 0 | 0.2 | 0.6 | 1.0 | 1.0 | 1.0 | 0.9 | 0.4 0.3 | .5 8 0 | | | | | | | |
| Wind direction | NW | NW | NW | NW | NW | NW | NW | NW | NW | NW | NW | NW | NW | NW | N | N | N | N | N | N | NE | NE | NE | NE |
| Wind movement | 9 | 5 | 8 | 10 | 11 | 11 | 11 | 10 | 12 | 11 | 10 | 9 | 10 | 10 | 9 | 9 | 9 | 9 | 5 | 8 | 8 | 12 | 12 | 9 |
| Maximum velocities (exceeding 24 miles) direction and time | | | | | | | | | | | | | | | | | | | | | | | | |

Wind data corrected to true velocity.

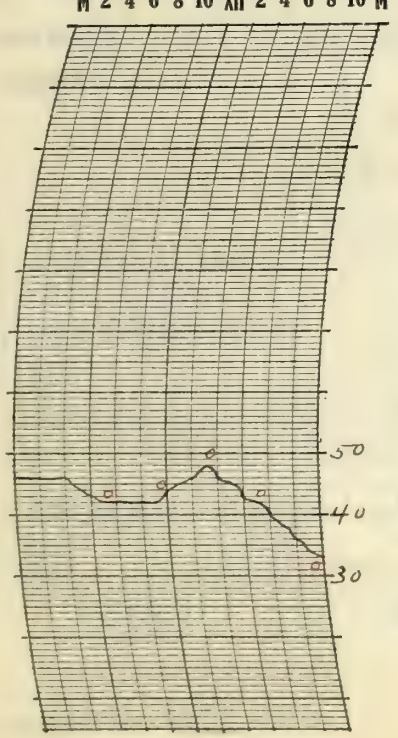
| Excessive precipitation, accumulated amounts | Total duration. From— | To— | Total amount of precipitation. | Excessive rate. Began— | Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | | | | | | |

| Maximum Temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 48 | 33 | 40 | |

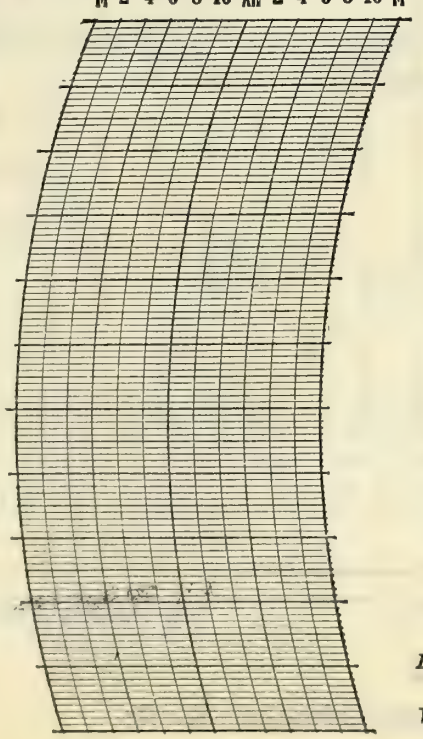
Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0.16 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, .02 inches.
Character of day, Pt Cloudy Moon phase,
Average daily cloudiness (0-10), 5
Actual sunshine, hours, 6.0 Possible sunshine, hours, 10.3
Per cent of possible sunshine, 58
Prevailing wind direction, NW Total wind, 227
Average hourly velocity, 9.5 Extreme velocity, 15
Maximum velocity, 14 Direction, NE
Time began, 10:06 P.M.
Reduced barometer, 30.16 7 a. m. 30.30 7 p. m.
River gage, 0.4 feet
Relative humidity, 83 7 a. m. 62 7 p. m.

OBSERVATIONS AT 12 NOON.
(Local Mean Time.)
Dry temperature, 44.0 Wet temperature, 38.5
Dew-point, 31 R. humidity, 61 V. pressure, 172
Clouds: Amount, 4; Kind, a Cu; Direction, W
Velocity of clouds (miles per hour)

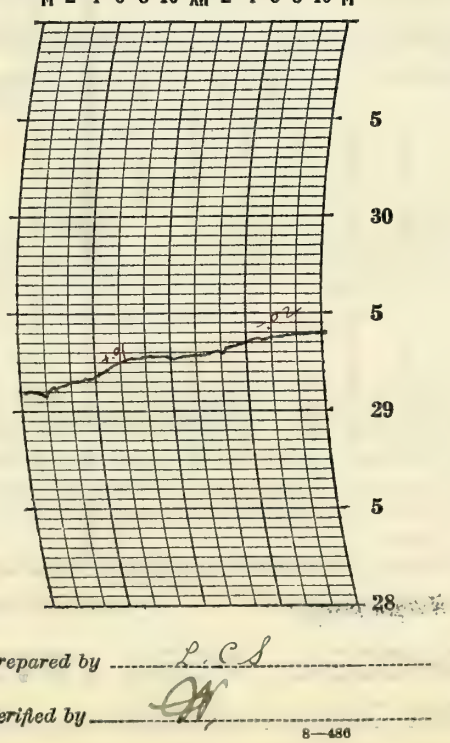
THERMOGRAPH




THERMOGRAPH




BAROGRAPH.




Prepared by L. C. S.

Verified by

8—486

## NOTES

Frost warning was received and released to newspapers, radio station, published on daily Bulletin and called to special list at 8:30 a.m.

Flying Conditions Were excellent all day.

Form No. 1014—Met'1

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Saturday, (Date) NOV 4 1933, 193

| Time (local standard) 90 mer. normal time. | A.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 | P.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Temperature at end of hour 33 | 33 | 32 | 32 | 32 | 31 | 31 | 32 | 35 | 38 | 41 | 42 | 43 | 42 | 43 | 42 | 41 | 40 | 39 | 39 | 37 | 36 | 35 | 35 | 34 |
| State of weather. Nature of precipitation and time of beginning and ending | | | | | | | | | | | | | | | | | | | | | | | | |
| Amounts of precipitation | | | | | | | | | | | | | | | | | | | | | | | | |
| Cloudiness and other conditions | | | | | | Clear | | X | | | | Cloudy | | | | | | | | | | | | |
| | | | | | | | Ci fa cu | | | | | St cu | | | | | | | St cu | | | | | |
| Sunrise: Time, 6:16 Character, Clear until 7:00 a.m. Moonrise: | | | | | | | | | | | | | | | | | | | | | Sunset: Time, 4:34 Character, Cloudy Moonset: | | | |
| Sunshine (in tenths of hours) | | | | | | | .73 0 | 0 | 0 | 04 | 0.3 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | | |
| Wind direction | NE | NE | NE | NE | NE | NE | NE | NE | NE | NE | NE | NE | NE | NE | NE | NE | NE | NE | NE | NE | NE | NE | NE | NE |
| Wind movement | 9 | 9 | 8 | 8 | 8 | 9 | 9 | 11 | 10 | 12 | 12 | 12 | 13 | 13 | 15 | 16 | 14 | 15 | 15 | 15 | 16 | 15 | 15 | 15 |
| Maximum velocities (exceeding 24 miles) direction and time | | | | | | | | | | | | | | | | | | | | | | | | |

Wind data corrected to true velocity.

| Excessive precipitation, accumulated amounts | Total duration. From— | To— | Total amount of precipitation. | Excessive rate. Began— | Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | | | | | | |

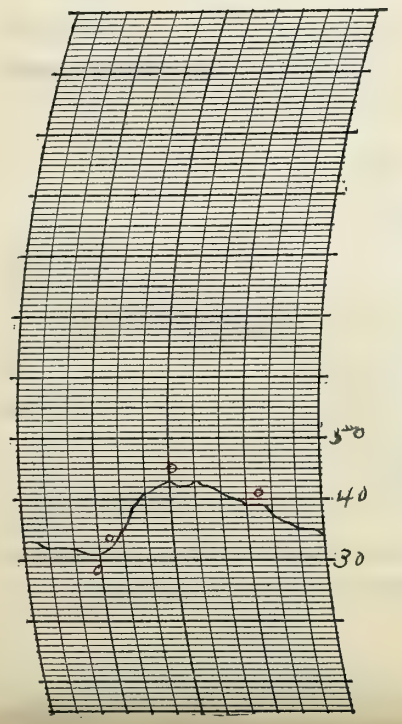
| Maximum Temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 43 | 31 | 37 | |

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Cloudy Moon phase,
Average daily cloudiness (0-10), 8
Actual sunshine, hours, 1.4 Possible sunshine, hours, 10.3
Per cent of possible sunshine, 14
Prevailing wind direction, NE Total wind, 294
Average hourly velocity, 12.2 Extreme velocity, 21
Maximum velocity, 20 Direction, NE
Time began, 2:58 PM. 30.29
Reduced barometer, 30.39 7 a. m. 7 p. m.
River gage, 0.2 feet
Relative humidity, 78 7 a. m. 70 7 p. m.

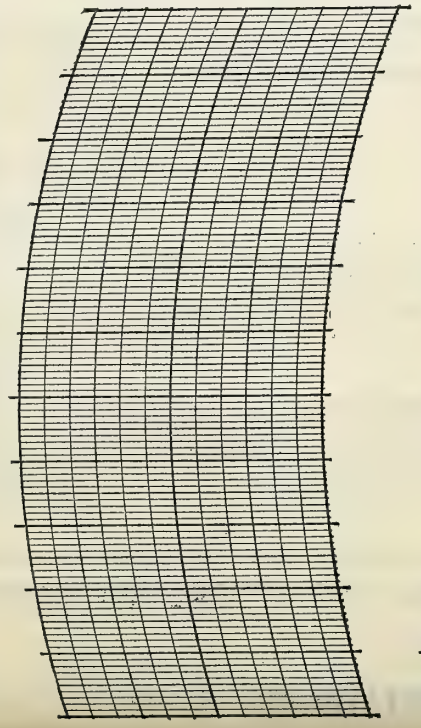
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 43.0 Wet temperature, 39.0
Dew-point, 34 R. humidity, 70 V. pressure, 1.95
Clouds: Amount, 10/10; Kind, St cu; Direction, NE
Velocity of clouds (miles per hour)

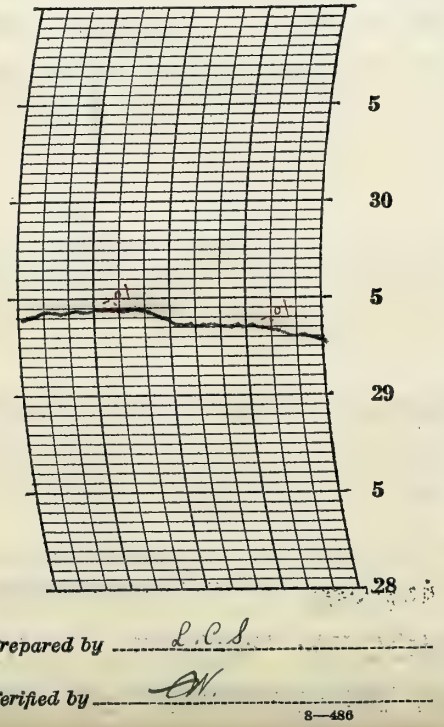
THERMOGRAPH




THERMOGRAPH




BAROGRAPH.




Prepared by L.C.S.

Verified by W.

8—486

## NOTES

Killing frost occurred this morning bringing to a close the longest growing season (220 days) to date. Practically all vegetation was destroyed including the more hardy plants. Flying conditions were good all day.

Form No. 1014—Met'1

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

Form No. 1014—Met'l

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Sunday, (Date) NOV 5 1933, 193

Time (local standard) 90 mer. normal time. 34

| | A.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 | P.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Temperature at end of hour | 33 | 34 | 34 | 33 | 33 | 33 | 33 | 34 | 36 | 37 | 39 | 41 | 42 | 43 | 40 | 39 | 38 | 38 | 38 | 38 | 37 | 37 | 37 | 37 |
| State of weather. Nature of precipitation and time of beginning and ending | | | | | | | | | | | | | | | | | | | | | | | | |
| Amounts of precipitation | | | | | | | | | | | | | | | | | | | | | | | | |
| Cloudiness and other conditions | | | | | | ← | | | | | | Cloudy | | | | | | | | | | | | → |
| Sunshine (in tenths of hours) | | | | | | | 0 | 0 | 0 | 0 | 0.5 | 0.4 | 0 | 0.1 | 0 | 0 | 0 | | | | | | | |
| Wind direction | NE | NE | NE | NE | NE | NE | NE | NE | NE | NE | NE | NE | NE | NE | NE | NE | NE | NE | NE | N | N | NE | NE | NE |
| Wind movement | 15 | 15 | 15 | 15 | 15 | 15 | 15 | 13 | 13 | 13 | 15 | 14 | 12 | 12 | 11 | 11 | 12 | 11 | 9 | 9 | 9 | 7 | 6 | 6 |

Sunrise: Time 6:17, Character Cloudy. Moonrise:

Sunset: Time 4:32, Character Cloudy. Moonset:

Maximum Temperature: 43 | Minimum temperature: 33 | Mean temperature: 38 | Normal temperature:

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Cloudy Moon phase,
Average daily cloudiness (0-10), 9
Actual sunshine, hours, 1.0 Possible sunshine, hours, 10.2
Per cent of possible sunshine, 10
Prevailing wind direction, NE Total wind, 188
Average hourly velocity, 12.0 Extreme velocity, 20
Maximum velocity, 19 Direction, NE
Time began, 10:04 a m.
Reduced barometer, 30.10 7 a. m. 30.07 7 p. m.
River gage, 0.2 feet
Relative humidity, 80 7 a. m. 73 7 p. m.

Wind data corrected to true velocity.

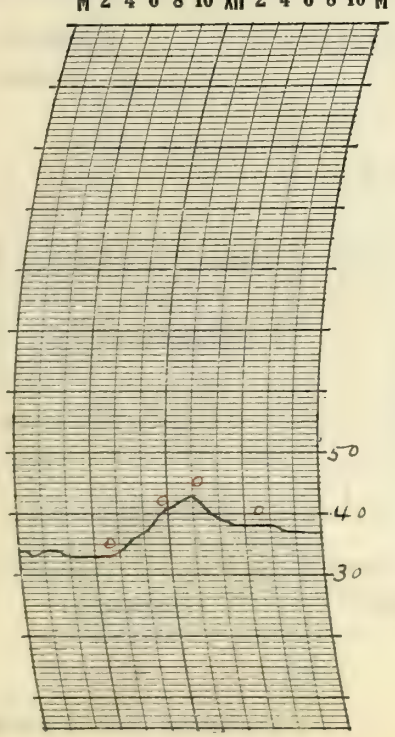
Maximum velocities (exceeding 24 miles) direction and time

| | Total duration. From— | To— | Total amount of precipitation. | Excessive rate. Began— | Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Excessive precipitation, accumulated amounts | | | | | | | | | | | | | | | | | | | | |

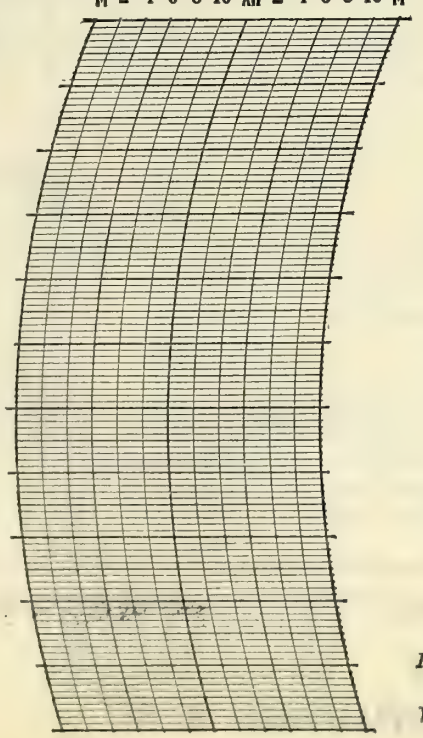
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 41.0 Wet temperature, 37.0
Dew-point, 32 R. humidity, 69 V. pressure, 180
Clouds: Amount, 4 5; Kind, a cu st cu; Direction, S E
Velocity of clouds (miles per hour)

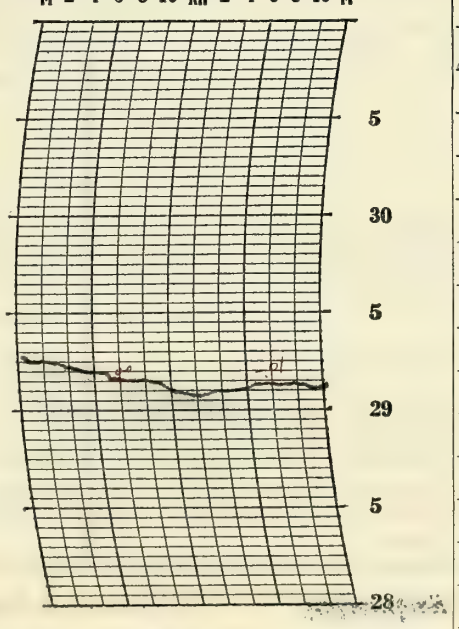
THERMOGRAPH




THERMOGRAPH




BAROGRAPH.




Prepared by L. C. S.

Verified by

8—486

## NOTES

Flying conditions were excellent all day.

Form No. 1014—Met'l

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Monday, (Date) NOV 6 1933, 193

Time (local standard) 90 mer. normal time. 37

| | A.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 | P.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Temperature at end of hour | 35 | 34 | 34 | 34 | 34 | 34 | 34 | 34 | 35 | 36 | 38 | 40 | 40 | 40 | 39 | 38 | 38 | 38 | 38 | 37 | 37 | 37 | 37 | 37 |
| State of weather. Nature of precipitation and time of beginning and ending | | | RB DNA RE DNA | | | | | | | | | | | | RB 2:05 | very light to 6:00 PM. | | | | | RE 9:00 | | | |
| Amounts of precipitation | | | T | | | | | | | | | | | | T | T | T | T | T | T | T | | | |
| Cloudiness and other conditions | | | | | | ← | | | | | | | Cloudy | | | | | | | | → | | | |
| | Sunrise: Time 6:18, Character Clear until 7:00A | | | | | | a Cu + Cu | | | | a Cu, Cu, + St | | | | | | | | St Cu | | Sunset: Time 4:31, Character Cloudy | | | |
| | Moonrise: | | | | | | | | | | | | | | | | | | | | Moonset: | | | |
| Sunshine (in tenths of hours) | | | | | | | .70 0 | 0 | 0 | 0 | 0 | 0.2 | 0 | 0 | 0 | 0 | 0 | | | | | | | |
| Wind direction | NW | NW | NW | NW | NW | NW | NW | NW | NW | NW | W | W | W | W | W | W | SW | SW | W | W | W | SW | SW | W |
| Wind movement | 9 | 7 | 6 | 6 | 7 | 6 | 5 | 5 | 5 | 5 | 5 | 5 | 9 | 9 | 10 | 9 | 7 | 8 | 8 | 8 | 9 | 8 | 8 | 9 |
| Maximum velocities (exceeding 24 miles) direction and time | | | | | | | | | | | | | | | | | | | | | | | | |

Wind data corrected to true velocity.

| | Total duration. From— | To— | Total amount of precipitation. | Excessive rate. Began— | Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Excessive precipitation, accumulated amounts | | | | | | | | | | | | | | | | | | | | |

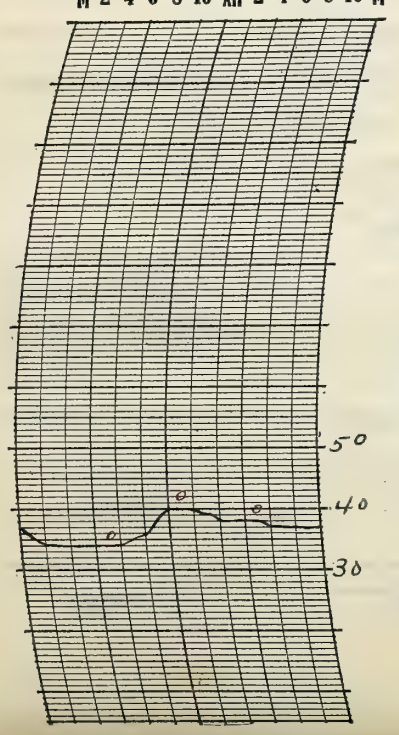
| Maximum Temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 40 | 34 | 37 | |

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., T ins.; to 7 p. m., T ins.
Total precipitation, midnight to midnight, T inches.
Character of day, Cloudy Moon phase,
Average daily cloudiness (0-10), 9
Actual sunshine, hours, 0.9 Possible sunshine, hours, 10.2
Per cent of possible sunshine, 9
Prevailing wind direction, W to NW Total wind, 173
Average hourly velocity, 7.2 Extreme velocity, 13
Maximum velocity, 13 Direction, W
Time began, 11:52 PM.
Reduced barometer, 30.10 7 a. m. 30.07 7 p. m.
River gage, 0.2 feet
Relative humidity, 89 7 a. m. 91 7 p. m.

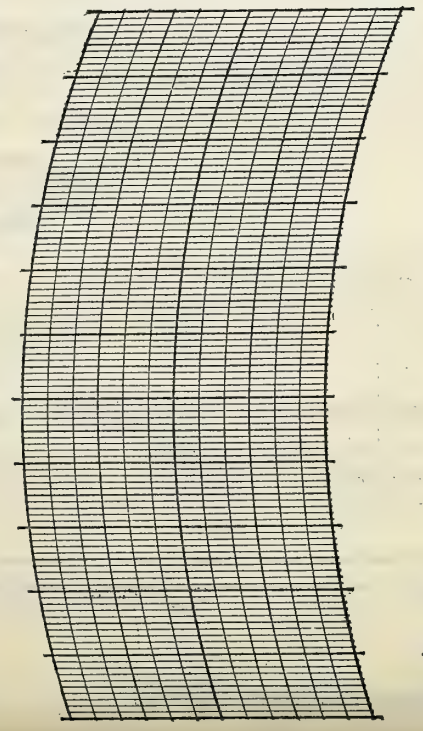
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 40.5 Wet temperature, 36.0
Dew-point, 30 R. humidity, 64 V. pressure, .164
Clouds: Amount, 3/2 ac; Kind, ac/St; Direction, SW/SW
Velocity of clouds (miles per hour)

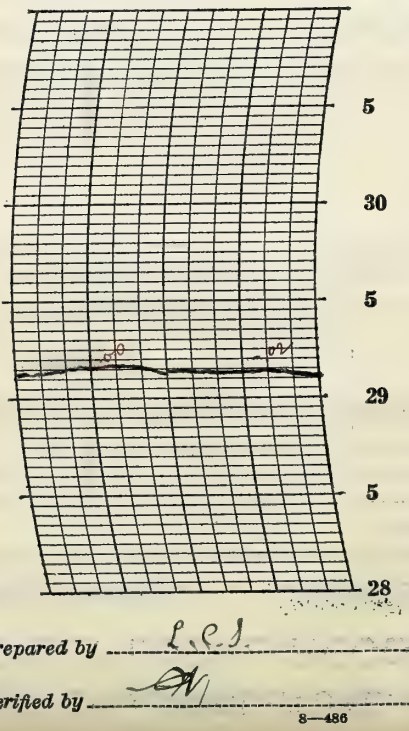
THERMOGRAPH




THERMOGRAPH




BAROGRAPH.




Prepared by L.C.J.

Verified by

8—486

## NOTES

Frost warning was received and released to newspapers, radio station, published on daily bulletin and called to special list at 8:30 a.m.

Flying conditions were Good to excellent all day. Light fog began at 5:45 PM and ended 8 P.M.

a very light mist fell from 2:05 PM to 6:00 PM. When it gradually became heavier and at 7:05 PM it had developed into light rain

Form No. 1014—Met'1

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

# DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Tuesday, (Date) NOV 7 1933, 193

Time (local standard) 90 mer. normal time.

| | A.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 | P.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Temperature at end of hour | 37 | 37 | 37 | 36 | 35 | 35 | 36 | 36 | 36 | 37 | 37 | 37 | 35 | 35 | 34 | 33 | 31 | 31 | 31 | 29 | 28 | 28 | 28 | 28 |
| State of weather: Nature of precipitation and time of beginning and ending | | | | R.B. D.N.A. | R.E. D.N.A. | | | | | | | R* 11:55A | RL 12:05 RH&A 12:05 | RH&S 1:30 SHB 1:30 | | | | | SME 6:15 | SHB 7:01 | | | | SH cond |
| Amounts of precipitation | | | | T | .01 | | | | | | | T | T | T | T | T | *.01 | T | T | x.01 | T | T | T | T* |
| Cloudiness and other conditions | | | | | | ← Cloudy → | | | | | | | ← Cloudy → | | | | | | Pt Cloudy | x Cloudy → | | | | |
| | | | | | | St+Cu | | | | | | St+Cu | | | | | | Acu & St+Cu | | | | | | |
| Sunshine (in tenths of hours) | | | | | | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | | |
| Wind direction | W | SW | SW | SW | SW | W | W | W | W | W | W | W | W | W | W | W | W | W | W | W | W | W | W | W |
| Wind movement | 9 | 8 | 9 | 11 | 10 | 12 | 12 | 10 | 12 | 12 | 15 | 14 | 14 | 14 | 14 | 14 | 15 | 14 | 13 | 12 | 14 | 13 | 12 | 14 |
| Maximum velocities (exceeding 24 miles) direction and time | | | | | | | | | | | | | | | | | | | | | | | | |

Sunrise: Time, 6:19 Character, Cloudy. Moonrise:

Sunset: Time, 4:30 Character, Cloudy. Moonset:

Wind data corrected to true velocity.

| Total duration. From— | To— | Total amount of precipitation. | Excessive rate. Began— | Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Excessive precipitation, accumulated amounts | | | | | | | | | | | | | | | | | | | |

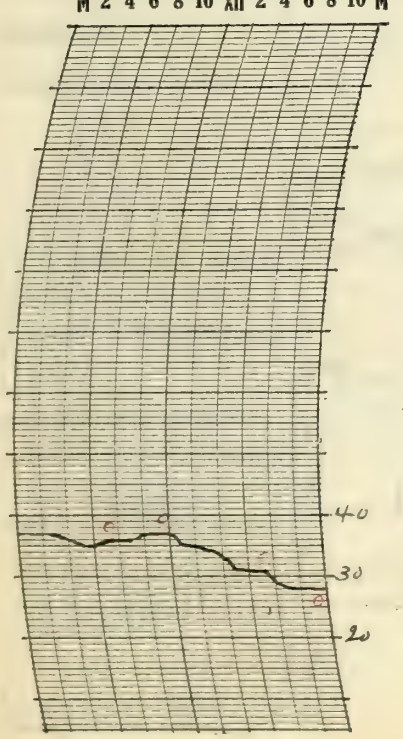
| Maximum Temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 37 | 28 | 32 | |

Total depth of snow for 24 hours ending 7 p. m., 0.1 inches.
Snow, sleet, and hail on ground 7 p. m., T inches.
Total snowfall, midnight to midnight, 0.3* inches.
Precipitation to 7 a. m., .01 ins.; to 7 p. m., .01 ins.
Total precipitation, midnight to midnight, 0.3 inches.
Character of day, Cloudy Moon phase,
Average daily cloudiness (0-10), 10
Actual sunshine, hours, 0 Possible sunshine, hours, 10.2
Per cent of possible sunshine, 0
Prevailing wind direction, W Total wind, 297
Average hourly velocity, 12.4 Extreme velocity, 21
Maximum velocity, 19 Direction, W
Time began, 4:52 p.m.
Reduced barometer, 30.01 7 a. m. 30.04 7 p. m.
River gage, 0.3 Feet
Relative humidity, 82 7 a. m. 78 7 p. m.

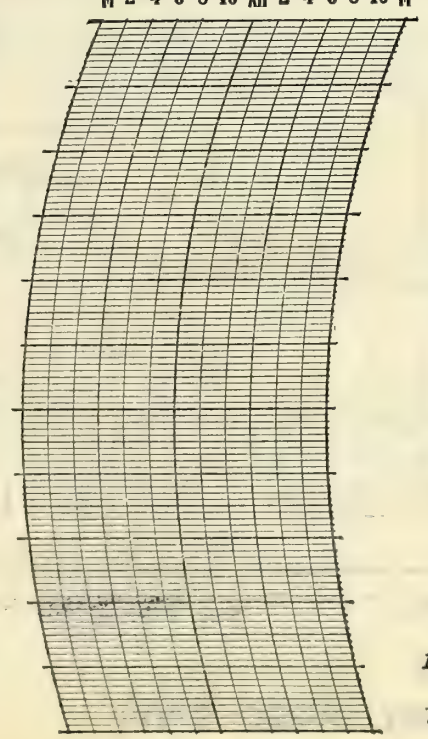
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 37.0 Wet temperature, 33.2
Dew-point, 27 R. humidity, 68 V. pressure, 143
Clouds: Amount, 10; Kind, St Cu; Direction, W
Velocity of clouds (miles per hour)

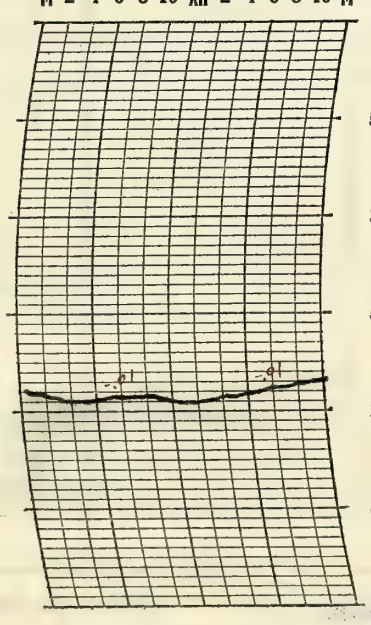
THERMOGRAPH




THERMOGRAPH




BAROGRAPH.




Prepared by L C S.

Verified by

8—486

## NOTES

Flying Conditions Were fair all day.

Streets became slippery about 9:00 P.M and continued so into the following day.

Precipitation beginning at 11:55 a. was very light until 3:30 P.M. When it gradually became Lower

x T B out hourly amounts estimated. T B Removed 7:00 P.M.

* T.B. did not check as snow did not melt in top of gauge but it did on the ground, nr as it fell however

* midnight to midnight estimated

Form No. 1014—Met'l

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Wednesday, (Date) NOV 8 1933, 193

Time (local standard) 90 mer. normal time.

| | A.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 | P.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Temperature at end of hour | 27 | 27 | 26 | 27 | 26 | 24 | 26 | 27 | 29 | 30 | 30 | 32 | 31 | 30 | 32 | 32 | 33 | 31 | 31 | 31 | 32 | 33 | 36 | 37 |
| State of weather: Nature of precipitation and time of beginning and ending | SM Contd | SME ONH | | | | | | | | | | | | SMB 1:45 SME 2:00 | | | SMB 4:40 | | | | | | | SM Contd |
| Amounts of precipitation | T | T | | | | | | | | | | | | T | | | T | .01 | .01 | .01 | T | T | T | T |
| Cloudiness and other conditions | | | | | ← Clear | × | | | | Pt Cloudy | | × | | | Cloudy | | | | St | | | | | |
| Sunshine (in tenths of hours) | | | | | | | 0 | 0 | 0.6 | 0.2 | 1.0 | 0.5 | 0.4 | 0 | 0.2 | 0 | 0 | | | | | | | |
| Wind direction | W | W | W | W | W | W | W | W | W | W | W | W | W | SW | SW | SW | SW | SW | S | S | S | S | SW | SW |
| Wind movement | 12 | 12 | 12 | 13 | 12 | 9 | 12 | 12 | 15 | 15 | 15 | 15 | 15 | 15 | 12 | 11 | 13 | 12 | 9 | 10 | 12 | 12 | 15 | 15 |
| Maximum velocities (exceeding 24 miles) direction and time | | | | | | | | | | | | | | | | | | | | | | | | |

Sunrise: Time, 6:21 Character, Clear
Moonrise:

Sunset: Time, 4:29 Character, Cloudy
Moonset:

Wind data corrected to true velocity.

| Total duration. From— | To— | Total amount of precipitation. | Excessive rate. Began— | Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | | | | | |

Excessive precipitation, accumulated amounts

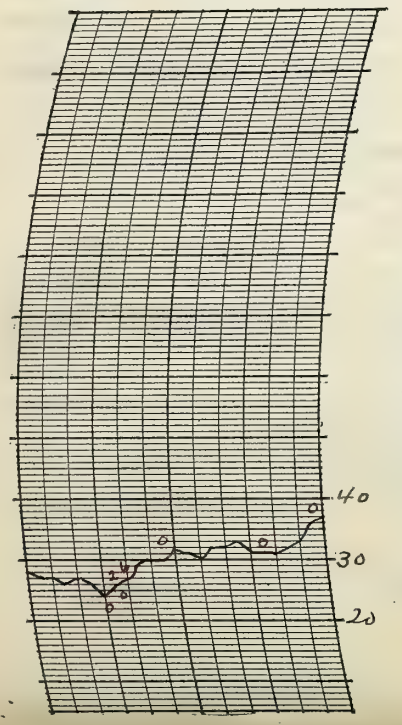
| Maximum Temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 37 | 24 | 30 | |

Total depth of snow for 24 hours ending 7 p. m., 0.4 inches.
Snow, sleet, and hail on ground 7 p. m., T inches.
Total snowfall, midnight to midnight, 0.3 inches.
Precipitation to 7 a. m., .01 ins.; to 7 p. m., .02 ins.
Total precipitation, midnight to midnight, .03 inches.
Character of day, Pt Cloudy Moon phase,
Average daily cloudiness (0-10), 6
Actual sunshine, hours, 4.6 Possible sunshine, hours, 10.1
Per cent of possible sunshine, 46
Prevailing wind direction, W Total wind, 305
Average hourly velocity, 12.7 Extreme velocity, 20
Maximum velocity, 19 Direction, W
Time began, 10:05 a. m.
Reduced barometer, 30.16 7 a. m. 29.99 7 p. m.
River gage, 0.5 feet
Relative humidity, 75 7 a. m. 100 7 p. m.

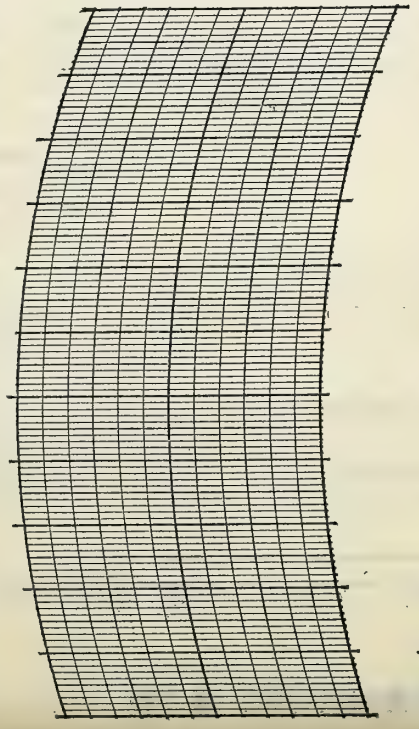
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 32.0 Wet temperature, 27.7
Dew-point, 20 R. humidity, 57 V. pressure, 103
Clouds: Amount, 6; Kind, A Cu; Direction, W
Velocity of clouds (miles per hour)

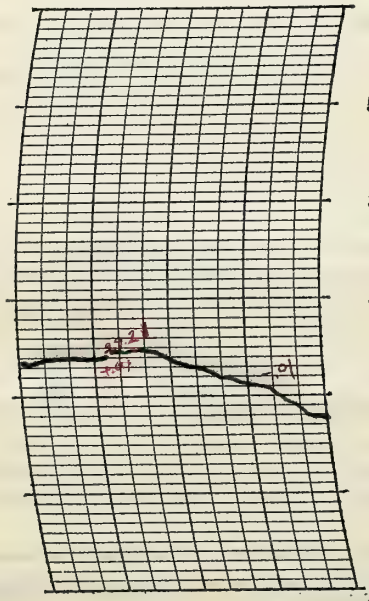
THERMOGRAPH
M 2 4 6 8 10 XII 2 4 6 8 10 M




THERMOGRAPH
M 2 4 6 8 10 XII 2 4 6 8 10 M



BAROGRAPH.
M 2 4 6 8 10 XII 2 4 6 8 10 M




Prepared by L. C. S.

Verified by C. W.

8—486

## NOTES

Streets continued slippery until about 10 oo a.m.

Flying conditions were excellent throughout the day.

x Hourly amounts estimated T.B. Not

⊗ midnight to midnight estimated

Form No. 1014—Met'l

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

Form No. 1014—Met'l

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Thursday, (Date) NOV 9 1933, 193

Time (local standard) 90 mer. normal time.

| | A.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 | P.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Temperature at end of hour | 37 40 | 35 | 34 | 34 | 34 | 34 | 34 | 32 | 30 | 31 | 30 | 28 | 28 | 27 | 28 | 27 | 27 | 26 | 26 | 28 | 26 | 26 | 25 | 25 |
| State of weather. Nature of precipitation and time of beginning and ending | SME DNH RB D.N.H | | | | RE D.N.H | | | SMB 7:40 | | | | | | | | | | SME 5:40 | | SMB 7:01 | | | | SM Contd |
| Amounts of precipitation | T | .01 x | .01 x | T | T | | | * | | | | | | | | | | | | | | | | |
| Cloudiness and other conditions | | | | | | ← Cloudy → | | | | | | | | | | | | | | | | | | |
| | Sunrise: Time, 6:32 Character, Cloudy Moonrise: | | | | | | St Cu | | | | | St Cu | | | | | | a Cu+St Cu | | | Sunset: Time, 4:28 Character, Cloudy Moonset: | | | |
| Sunshine (in tenths of hours) | | | | | | | 0 | 0 | 0 | 0.2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | | |
| Wind direction | SW | W | W | W | W | W | W | W | W | W | W | W | W | NW | W | W | W | W | W | W | W | W | W | W |
| Wind movement | 17 | 18 | 16 | 16 | 17 | 17 | 18 | 18 | 20 | 18 | 18 | 19 | 18 | 19 | 18 | 19 | 17 | 17 | 17 | 18 | 18 | 15 | 12 | 12 |
| Maximum velocities (exceeding 24 miles) direction and time | | 26 W 1⁰⁹ | | | | | | | | | | | | | | | | | | | | | | |

Wind data corrected to true velocity.

| Excessive precipitation, accumulated amounts | Total duration. From— | To— | Total amount of precipitation. | Excessive rate. Began— | Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | | | | | | |

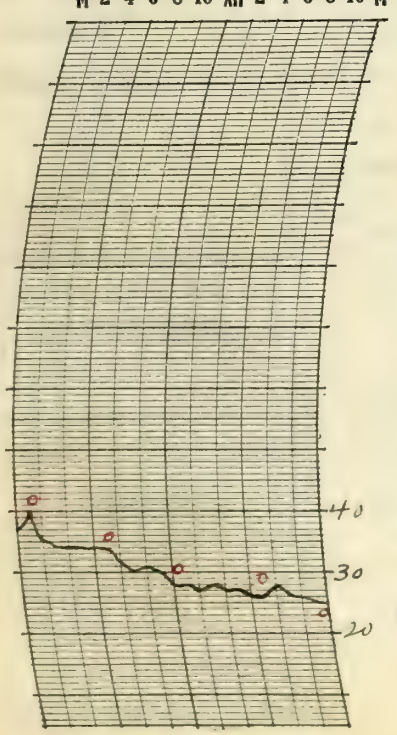
| Maximum Temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 40 | 25 | 32 | |

Total depth of snow for 24 hours ending 7 p. m. 0.3 inches.
Snow, sleet, and hail on ground 7 p. m., T inches.
Total snowfall, midnight to midnight, 0.3* inches.
Precipitation to 7 a. m., .03 ins.; to 7 p. m., .01 ins.
Total precipitation, midnight to midnight, .04 inches.
Character of day, Cloudy Moon phase,
Average daily cloudiness (0-10), 9
Actual sunshine, hours, 0.2 Possible sunshine, hours, 10.1
Per cent of possible sunshine, 2
Prevailing wind direction, W Total wind, 412
Average hourly velocity, 17.2 Extreme velocity, 28
Maximum velocity, 26 Direction, W
Time began, 1⁰⁰ a. m.
Reduced barometer, 29.85 7 a. m. 30.14 7 p. m.
River gage, 0.5 feet
Relative humidity, 57 7 a. m. 82 7 p. m.

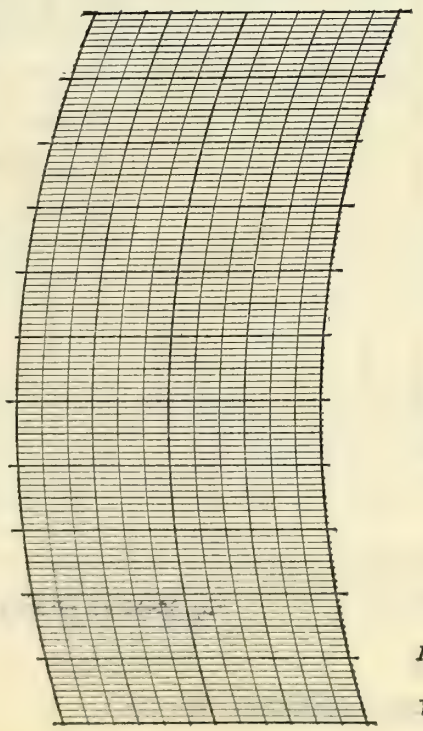
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 28.2 Wet temperature, 27.0
Dew-point, 25 R. humidity, 86 V. pressure, .130
Clouds: Amount, 10; Kind, St+Cu; Direction, W
Velocity of clouds (miles per hour)

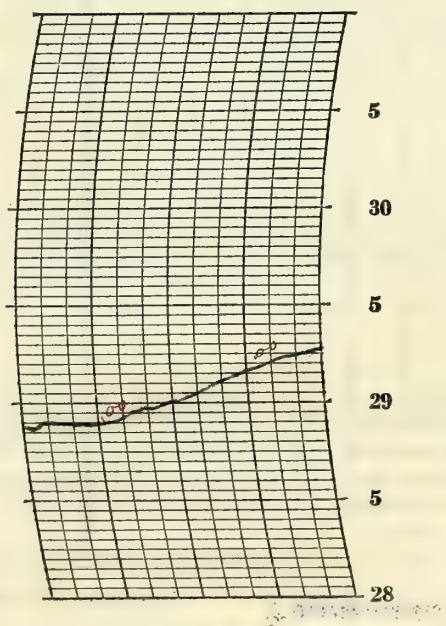
THERMOGRAPH




THERMOGRAPH




BAROGRAPH.




Prepared by L.C.S.

Verified by

8—486

## NOTES

x Hourly amounts estimated T.B. not ins.

& midnight to midnight estimated

* Hourly amounts not entered hereafter unless known to be absolutely correct when T.B. is in

Flying conditions were poor during greater portion of the day

Form No. 1014—Met'1

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Friday, (Date) NOV 10 1933, 193

Time (local standard) 90 mer. normal time.

| | A.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 | P.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Temperature at end of hour | 25 26 | 25 | 23 | 20 | 19 | 20 | 21 | 21 | 24 | 25 | 27 | 28 | 28 | 28 29 | 28 | 28 | 28 | 26 | 26 | 26 | 26 | 26 | 26 | 26 |
| State of weather. Nature of precipitation and time of beginning and ending | SM Contd | SME D.N.H | | | | | | | | | | | | | | | | | | | | | | |
| Amounts of precipitation | — | — | | | | | | | | | | | | | | | | | | | | | | |
| Cloudiness and other conditions | | | | | | Cloudy | × Pt Cloudy | × | | | | Cloudy | | | | | | | | | | | | |
| | | | | | | | St Cu | | | | | ast & St Cu | | | | | | | St Cu | | | | | |
| Sunshine (in tenths of hours) | | | | | | | .62 0 | 0.9 0 | 0 | 0.3 | 0.2 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | | |
| Wind direction | W | W | W | W | W | W | W | W | W | W | W | W | W | W | W | W | W | W | W | W | SW | SW | SW | S |
| Wind movement | 13 | 12 | 9 | 10 | 12 | 10 | 11 | 10 | 12 | 12 | 13 | 15 | 15 | 13 | 14 | 13 | 11 | 10 | 9 | 9 | 9 | 9 | 11 | 9 |
| Maximum velocities (exceeding 24 miles) direction and time | | | | | | | | | | | | | | | | | | | | | | | | |

Sunrise: Time, 6.23 Character, Clear

Moonrise:

Sunset: Time, 4.27 Character, Cloudy

Moonset:

Wind data corrected to true velocity.

| | Total duration. From— | To— | Total amount of precipitation. | Excessive rate. Began— | Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Excessive precipitation, accumulated amounts | | | | | | | | | | | | | | | | | | | | |

| Maximum Temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 29 | 19 | 24 | |

Total depth of snow for 24 hours ending 7 p. m., 0.1 inches.

Snow, sleet, and hail on ground 7 p. m., T inches.

Total snowfall, midnight to midnight, T inches.

Precipitation to 7 a. m., .01 ins.; to 7 p. m., 0 ins.

Total precipitation, midnight to midnight, T inches.

Character of day, Cloudy Moon phase,

Average daily cloudiness (0-10), 9

Actual sunshine, hours, 2.0 Possible sunshine, hours, 10.1

Per cent of possible sunshine, 20

Prevailing wind direction, W Total wind, 271

Average hourly velocity, 11.3 Extreme velocity, 19

Maximum velocity, 17 Direction, W

Time began, 11:02 a m

Reduced barometer, 30.30 7a. m. 30.29 7p. m.

River gage, 0.4 feet

Relative humidity, 77 7a. m. 73 7p. m.

### OBSERVATIONS AT 12 NOON. (Local Mean Time.)

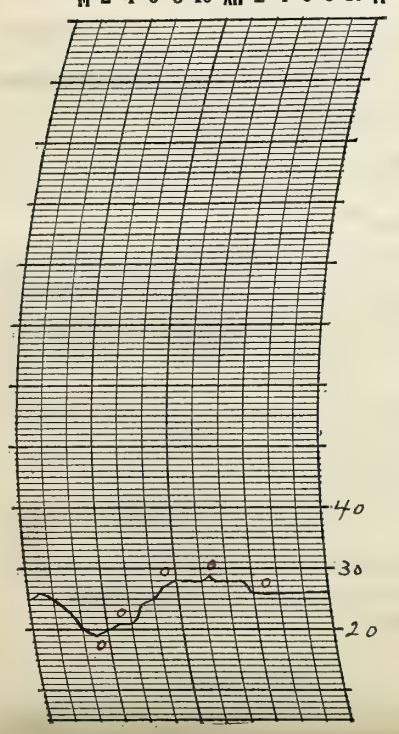
Dry temperature, 28.0 Wet temperature, 23.7

Dew-point, 14 R. humidity, 51 V. pressure, .077

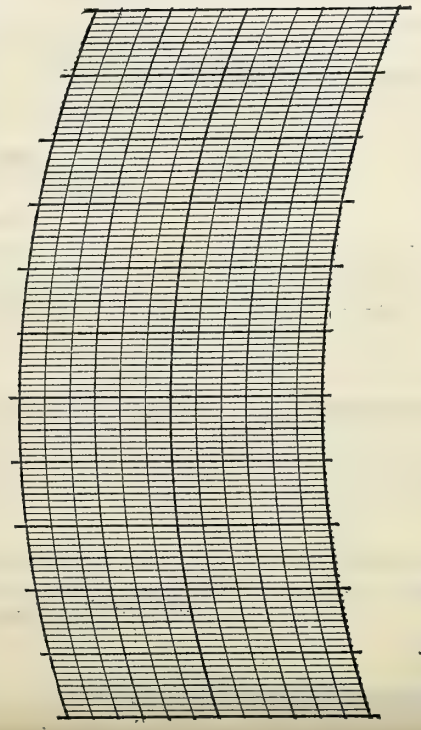
Clouds: Amount, 4 ast; Kind, St Cu Direction, W

Velocity of clouds (miles per hour)

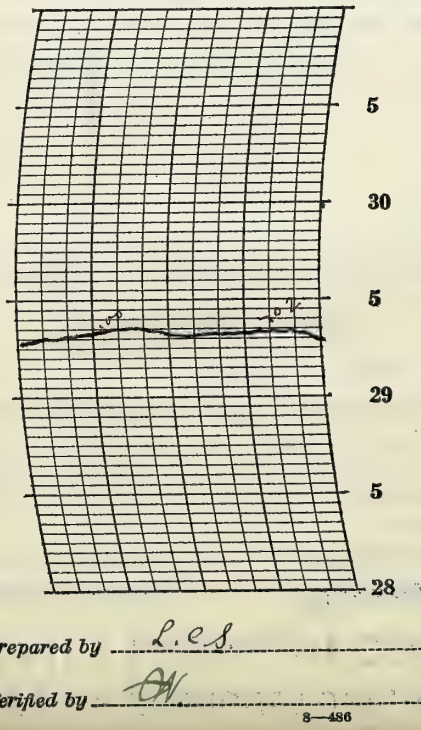
THERMOGRAPH




THERMOGRAPH




BAROGRAPH.




Prepared by L.e.S

Verified by

8—486

## NOTES

& midnight to midnight estimated

Flying Conditions Were fair

Form No. 1014—Met'1

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

Form No. 1014—Met'1

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD. Armistice Day

(Station) Fort Wayne, Ind., (Day of week) Saturday, (Date) NOV 11 1933, 193

Time (local standard) 90 mer. normal time.

| | A.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 | P.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Temperature at end of hour (26) | 26 | 25 | 26 | 27 | 29 | 30 | 32 | 32 | 33 | 34 | 36 | 41 | 44 | 43 | 40 | 39 | 38 | 38 | 37 | 36 | 36 | 35 | 35 | 34 |
| State of weather: Nature of precipitation and time of beginning and ending | | | | | | | R+SL 6:05; R+SL 6:20; RS 6:20 | | | | RE 10:35 | | | | RS 2:40 | RE 3:20 | | | | | | | | |
| Amounts of precipitation | | | | | | | — | — | — | — | — | | | | — | — | | | | | | | | |
| Cloudiness and other conditions | | | | | | | Cloudy | | | | P+Cloudy | | | | | Cloudy | | | | | | | | |
| | Sunrise: Time 6:24, Character Cloudy; Moonrise: | | | | | | St | | | | St | Cu | | | | | | | St Cu | | Sunset: Time 4.26, Character Cloudy; Moonset: | | | |
| Sunshine (in tenths of hours) | | | | | | | 0 | 0 | 0 | 0 | 0 | 0.1 | 0.1 | 0 | 0 | 0 | 0 | | | | | | | |
| Wind direction | S | SE | S | S | S | S | S | S | S | SW | SW | SW | W | W | NW | NW | NW | NW | NW | NW | NW | NW | NW | NW |
| Wind movement | 6 | 9 | 9 | 12 | 11 | 12 | 12 | 14 | 16 | 17 | 16 | 15 | 19 | 18 | 18 | 19 | 17 | 14 | 12 | 12 | 12 | 12 | 9 | 7 |
| Maximum velocities (exceeding 24 miles) direction and time | | | | | | | | | | | | | | | | | | | | | | | | |

Wind data corrected to true velocity.

| | Total duration. From— | To— | Total amount of precipitation. | Excessive rate. Began— | Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Excessive precipitation, accumulated amounts | | | | | | | | | | | | | | | | | | | | |

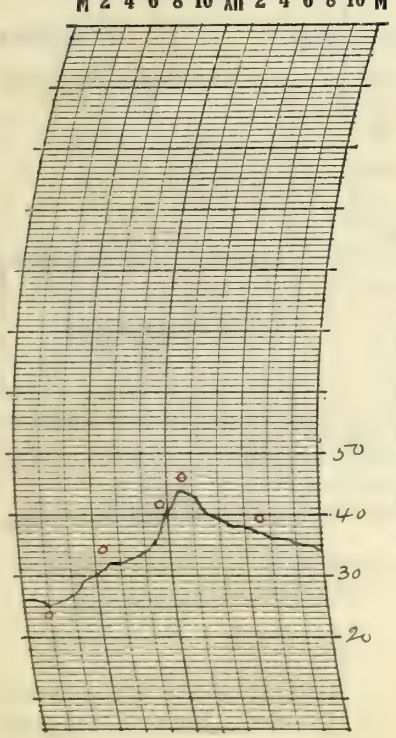
| Maximum Temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 44 | 25 | 34 | |

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., T ins.; to 7 p. m.; .02 ins.
Total precipitation, midnight to midnight, .02 inches.
Character of day, Cloudy Moon phase,
Average daily cloudiness (0-10), 9
Actual sunshine, hours, 0.2 Possible sunshine, hours, 10.0
Per cent of possible sunshine, 2
Prevailing wind direction, NW Total wind, 318
Average hourly velocity, 13.2 Extreme velocity, 24
Maximum velocity, 24 Direction, NW
Time began, 1:44 P. M
Reduced barometer, 29.95 7 a. m. 30.06 7 p. m.
River gage, 0.4 feet
Relative humidity, 65 7 a. m. 70 7 p. m.

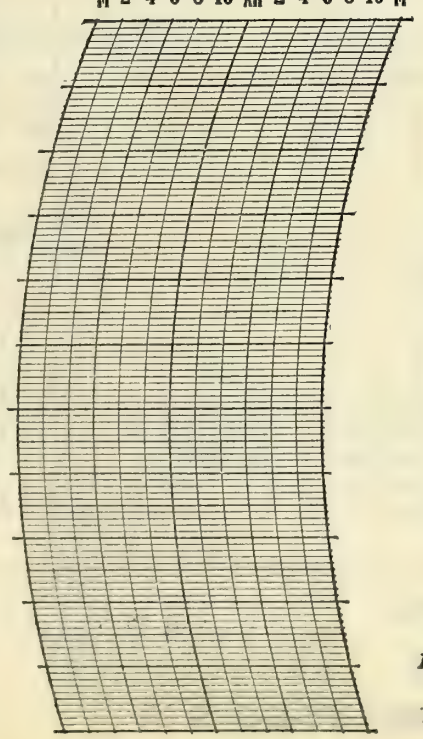
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 41.2 Wet temperature, 38.2
Dew-point, 34 R. humidity, 77 V. pressure, .195
Clouds: Amount, 7; Kind, St Cu; Direction, W
Velocity of clouds (miles per hour)

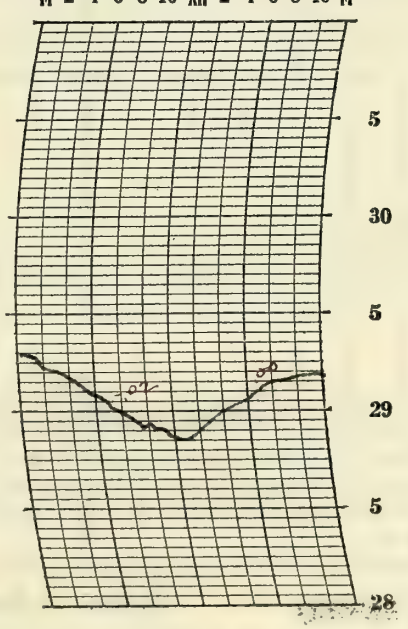
THERMOGRAPH




THERMOGRAPH




BAROGRAPH.




Prepared by L. C. S

Verified by

8—486

## NOTES

Flying conditions were good to excellent all day.

Form No. 1014—Met'1

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Sunday, (Date) NOV 12 1933, 193

Time (local standard) 90 mer. normal time.

| | A.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 | P.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Temperature at end of hour (34) | 34 | 34 | 34 | 33 | 32 | 31 | 30 | 30 | 34 | 37 | 40 | 44 | 47 | 51 | 51 | 57 | 51 | 52 | 54 | 53 | 54 | 52 | 52 | 49 |
| State of weather. Nature of precipitation and time of beginning and ending | | | | | | | | | | | | | | | | | | | | | | | | |
| Amounts of precipitation | | | | | | | | | | | | | | | | | | | | | | | | |
| Cloudiness and other conditions | | | | | | | Cloudy | | | Pt Cloudy | | | | | | x Cloudy | | | | | | | | |
| | | | | | | | St | | | | | aCu | | | | | | | St+Cu | | | | | |
| Sunrise: Time, Character, 6:25 Cloudy. Moonrise: | | | | | | | | | | | | | | | | | | | | | Sunset: Time, Character, 4:25 Cloudy. Moonset: | | | |
| Sunshine (in tenths of hours) | | | | | | | 0 | 0 | 0.1 | 0.1 | 0 | 0.4 | 0.9 | 1.0 | 0.2 | 0 | 0 | | | | | | | |
| Wind direction | NW | W | W | W | W | W | W | SW | S | S | S | S | S | S | S | S | S | S | SW | SW | SW | W | W | W |
| Wind movement | 7 | 6 | 6 | 6 | 7 | 7 | 7 | 8 | 11 | 14 | 15 | 18 | 19 | 21 | 22 | 20 | 21 | 23 | 23 | 21 | 18 | 13 | 16 | 18 |
| Maximum velocities (exceeding 24 miles) direction and time | | | | | | | | | | | | | | | 26-S 2:09 | | | 27-S 5:21 | 30 SW 6:35 | | | | | |

Wind data corrected to true velocity.

| Total duration. From— | To— | Total amount of precipitation. | Excessive rate. Began— | Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | | | | | |

Excessive precipitation, accumulated amounts

| Maximum Temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 54 | 29 | 42 | |

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Pt Cloudy Moon phase,
Average daily cloudiness (0-10), 7
Actual sunshine, hours, 2.7 Possible sunshine, hours, 10.0
Per cent of possible sunshine, 27
Prevailing wind direction, S Total wind, 347
Average hourly velocity, 14.5 Extreme velocity, 31
Maximum velocity, 30 Direction, SW
Time began, 6:35 P.M.
Reduced barometer, 30.12 7a. m. 29.65 7p. m.
River gage, 0.4 feet
Relative humidity, 78 7a. m. 51 7p. m.

OBSERVATIONS AT 12 NOON.
(Local Mean Time.)
Dry temperature, 44.0 Wet temperature, 39.0
Dew-point, 32 R. humidity, 64 V. pressure, .180
Clouds: Amount, 6; Kind, aCu; Direction, S
Velocity of clouds (miles per hour)

THERMOGRAPH
M 2 4 6 8 10 XII 2 4 6 8 10 M
40
30
20

THERMOGRAPH
M 2 4 6 8 10 XII 2 4 6 8 10 M

BAROGRAPH.
M 2 4 6 8 10 XII 2 4 6 8 10 M
5
30
5
29
5
28

Prepared by L.C.S.

Verified by

8—486

## NOTES

Flying conditions were good to excellent all day. Winds were fresh to strong greater portion of the day. Several residents who chanced to be out shortly before midnight (also many motorists) report that a dust storm occurred at that time. It was so severe it is reported that it made driving bad for a time. Some report that it got into their houses though well closed. Newspapers report the same thing over a great portion of the west and is reported to have been carried from the West over which portion of the country a strong wind blew during the day and night.

Form No. 1014—Met'1

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU

Form No. 1014—Met'l

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Monday, (Date) NOV 13 1933, 193

Time (local standard) 90 mer. normal time.

| | A.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 | P.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Temperature at end of hour (49) | 43 | 36 | 34 | 30 | 30 | 29 | 28 | 28 | 30 | 32 | 32 | 32 | 32 | 31 | 29 | 28 | 28 | 28 | 28 | 28 | 27 | 26 | 25 | 26 |
| State of weather. Nature of precipitation and time of beginning and ending | | | | | | SNB DNA | (Snow very light | 7 Sunrise) | | | | | SNE 12:15 | | | | | | | | SNB 8:50 | | | SNE DNP |
| Amounts of precipitation | | | | | | — | — | — | — | — | — | — | — | | | | | | | | — | — | — | — |
| Cloudiness and other conditions | | | | | | ← Cloudy, | | | | | | | | | | | | | | | moderate snow | | | → |
| | Sunrise: Time, 6:26 Character, Cloudy Moonrise: | | | | | | St | | | | St Cu | | | | | | | | St Cu | | Sunset: Time, 4:25 Character, Cloudy Moonset: | | | |
| Sunshine (in tenths of hours) | | | | | | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | | |
| Wind direction | W | W | W | W | W | W | W | W | W | NW | NW | NW | NW | NW | W | W | W | SW | SW | SW | SW | SW | SW | SW |
| Wind movement | 19 | 21 | 18 | 20 | 17 | 16 | 17 | 16 | 15 | 17 | 18 | 15 | 18 | 16 | 17 | 18 | 15 | 11 | 14 | 18 | 18 | 12 | 14 | 14 |
| Maximum velocities (exceeding 24 miles) direction and time | 26 NW 12:35 | | | | | | | | | | | | | | | | | | | | | | | |

Wind data corrected to true velocity.

| | Total duration. From— | To— | Total amount of precipitation. | Excessive rate. Began— | Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Excessive precipitation, accumulated amounts | | | | | | | | | | | | | | | | | | | | |

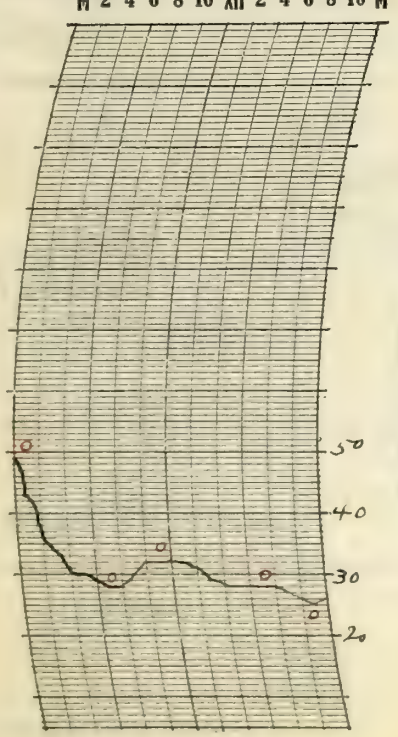
| Maximum Temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 49 | 25 | 37 | |

Total depth of snow for 24 hours ending 7 p. m., T inches.
Snow, sleet, and hail on ground 7 p. m., T inches.
Total snowfall, midnight to midnight, 0.9 inches.
Precipitation to 7 a. m., T ins.; to 7 p. m., T ins.
Total precipitation, midnight to midnight, .09 inches.
Character of day, Cloudy Moon phase,
Average daily cloudiness (0-10), 10
Actual sunshine, hours, 0 Possible sunshine, hours, 10.0
Per cent of possible sunshine, 0
Prevailing wind direction, W Total wind, 394
Average hourly velocity, 16.4 Extreme velocity, 28
Maximum velocity, 26 Direction, NW
Time began, 12:35 a.m.
Reduced barometer, 29.83 7 a. m. 29.81 7 p. m.
River gage, 0.3 feet
Relative humidity, 82 7 a. m. 76 7 p. m.

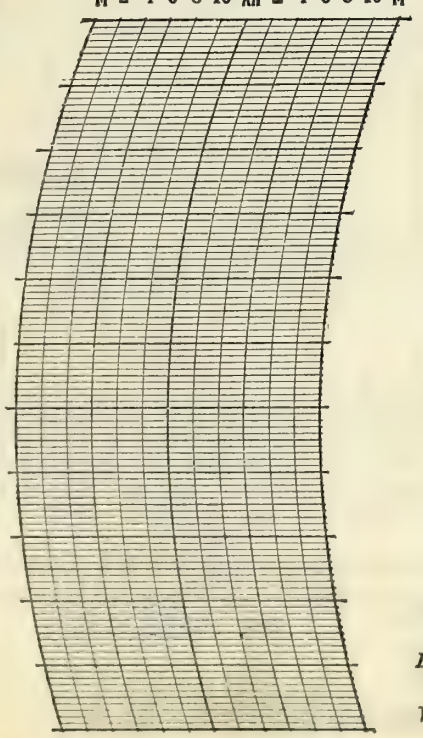
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 32.0 Wet temperature, 29.2
Dew-point, 25 R. humidity, 71 V. pressure, .130
Clouds: Amount, 10; Kind, St Cu; Direction, W
Velocity of clouds (miles per hour)

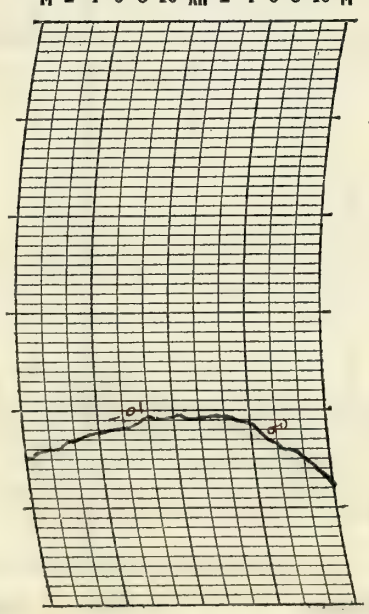
THERMOGRAPH




THERMOGRAPH




BAROGRAPH.




Prepared by J. C. S.

Verified by

8—486

## NOTES

Flying conditions were fair all day.
Wind was fresh first portion of day
Streets became very slippery during snow
in evening

Form No. 1014—Met'l

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Tuesday, (Date) NOV 14 1933, 193

Time (local standard) 90 mer. normal time.

| | A.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 | P.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 26 Temperature at end of hour | 28 | 28 | 31 | 32 | 34 | 34 | 34 | 32 | 31 | 30 | 28 | 26 | 27 | 29 | 28 | 26 | 25 | 25 | 24 | 24 | 24 | 22 | 23 | 22 |
| State of weather: Nature of precipitation and time of beginning and ending | | | | | | | | | | | SM B 10:20 | | SM E 1:15 | | | SM B 3:45 | | | Heavy after 8:00 PM | | | | | SM cont'd |
| Amounts of precipitation | | | | | | | | | | | – | – | | | | – | – | – | – | – | – | – | – | – |
| Cloudiness and other conditions | | | | | | ← | | | | | Cloudy | | → | | | Cloudy | | | → | | | | | |
| | | | | | | | St Cu | | | | | St | | | | | | | | St Cu | | | | |
| Sunshine (in tenths of hours) | | | | | | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.2 | 0.2 | 0 | 0 | | | | | | | |
| Wind direction | SW | SW | W | W | W | NW | NW | NW | NW | NW | NW | NW | NW | NW | NW | NW | NW | NW | NW | NW | NW | NW | NW | NW |
| Wind movement | 15 | 14 | 11 | 15 | 16 | 16 | 15 | 19 | 18 | 19 | 18 | 15 | 13 | 15 | 16 | 15 | 13 | 12 | 15 | 14 | 12 | 9 | 12 | 13 |

Sunrise: Time, 6:28 Character, Cloudy. Moonrise:

Sunset: Time, 4:24 Character, Cloudy. Moonset:

Maximum velocities (exceeding 24 miles) direction and time

Wind data corrected to true velocity.

Excessive precipitation, accumulated amounts

| Total duration. From— | To— | Total amount of precipitation. | Excessive rate. Began— | Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | | | | | |

| Maximum Temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 34 | 22 | 28 | |

Total depth of snow for 24 hours ending 7 p. m., 1.1 inches.

Snow, sleet, and hail on ground 7 p. m., 0.6 inches.

Total snowfall, midnight to midnight, * 2.6 inches.

Precipitation to 7 a. m., .09 ins.; to 7 p. m., .01 ins.

Total precipitation, midnight to midnight, * 0.16 inches.

Character of day, Cloudy Moon phase,

Average daily cloudiness (0–10), 9.9

Actual sunshine, hours, 0.4 Possible sunshine, hours, 9.9

Per cent of possible sunshine, 4

Prevailing wind direction, NW Total wind, 350

Average hourly velocity, 14.6 Extreme velocity, 24

Maximum velocity, 23 Direction, NW

Time began, 9:50 a.m.

Reduced barometer, 29.42 7 a. m. 29.94 7 p. m.

River gage, 0.3 feet

Relative humidity, 86 7 a. m. 81 7 p. m.

### OBSERVATIONS AT 12 NOON. (Local Mean Time.)

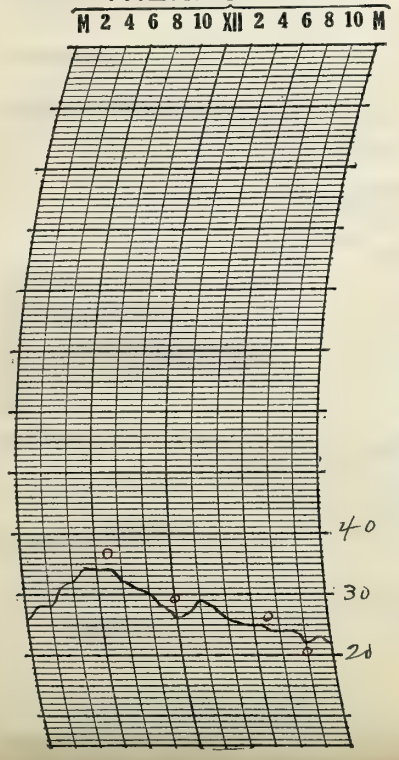
Dry temperature, 26.3 Wet temperature, 25.3

Dew-point, 23 R. humidity, 88 V. pressure, .118

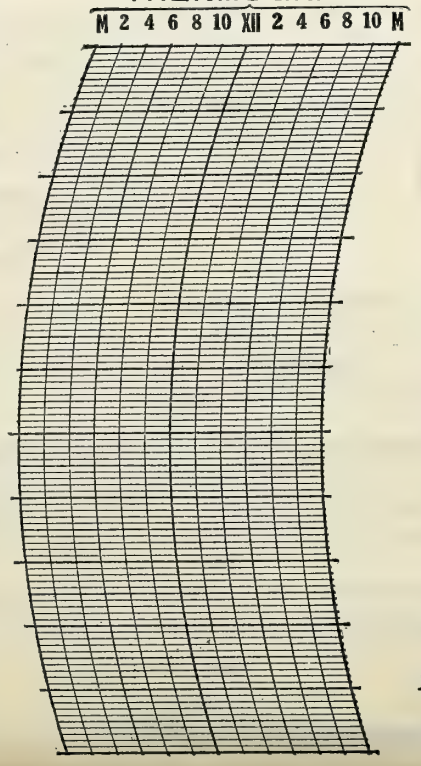
Clouds: Amount, 10; Kind, St; Direction, NW

Velocity of clouds (miles per hour)

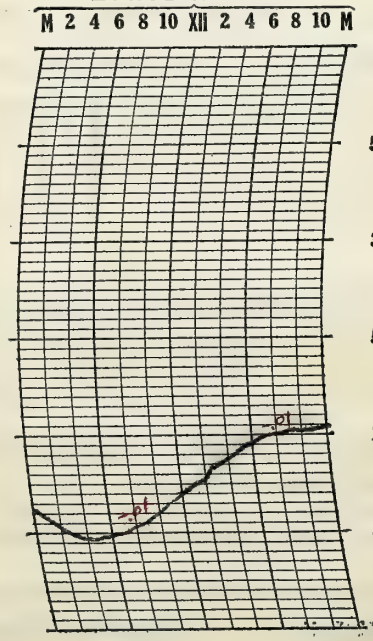
THERMOGRAPH




THERMOGRAPH




BAROGRAPH.




Prepared by L. C. S.

Verified by

8—486

## NOTES

Warning of moderate cold wave received and released to newspapers, radio station, published on daily bulletins and called to special list shortly after 8:30 a.m. Cold wave flag was also hoisted at this time for the last time as special permission has been granted to discontinue its use on November 15, 1933.

* Estimated

Streets were very slippery all day. Flying conditions were fair to good.

Form No. 1014—Met'1

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Wednesday, (Date) NOV 15 1933, 193

Time (local standard) 90 mer. normal time.

| | A.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 | P.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Temperature at end of hour 22 | 21 | 19 | 17 | 15 | 13 | 12 | 11 | 10 | 13 | 14 | 15 | 16 | 17 | 16 | 16 | 16 | 15 | 15 | 14 | 13 | 12 | 12 | 12 | 12 |
| State of weather. Nature of precipitation and time of beginning and ending | SM contd | Heavy Snow | | SME DNH | | | | | | | | | | | | | | | | | | | | SOB DNP SOE DNP |
| Amounts of precipitation | – | – | – | – | | | | | | | | | | | | | | | | | | | | – |
| Cloudiness and other conditions | | | | | | | clear | p'tcldy | clear | | p'tcldy | | | | cloudy | | | | pt cldy | | clear | | | |
| Sunshine (in tenths of hours) | | | | | | | 0 | 0 | 0.6 | 0.8 | 0.4 | 0.7 | 0.3 | 0 | 0 | 0 | 0 | | | | | | | |
| Wind direction | NW | NW | NW | W | W | W | W | W | W | W | W | W | W | W | W | W | W | W | W | W | W | W | W | W |
| Wind movement | 15 | 10 | 10 | 12 | 12 | 13 | 13 | 14 | 14 | 15 | 18 | 18 | 18 | 16 | 15 | 14 | 12 | 10 | 9 | 9 | 7 | 8 | 9 | 10 |
| Maximum velocities (exceeding 24 miles) direction and time | | | | | | | | | | | | | | | | | | | | | | | | |

Sunrise: Time, 629 Character, Cloudy. Moonrise: ____ ____

Sunset: Time, 4:23 Character, Cloudy. Moonset: ____ ____

Wind data corrected to true velocity.

| Total duration. From— | To— | Total amount of precipitation. | Excessive rate. Began— | Ended— | Amount before excessive began. |
|---|---|---|---|---|---|
| | | | | | |

Accumulated depths during excessive rate, for consecutive periods of time indicated below.

| 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | |

Excessive precipitation, accumulated amounts

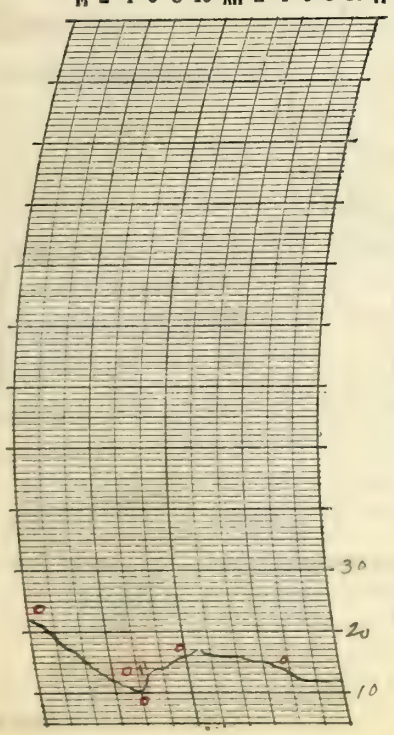
| Maximum Temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 22 | 10 | 16 | |

Total depth of snow for 24 hours ending 7 p. m., 4.8 inches.
Snow, sleet, and hail on ground 7 p. m., 5.4 inches.
Total snowfall, midnight to midnight, *2.4 inches.
Precipitation to 7 a. m., 0.30 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, *0.15 inches.
Character of day, P+Cloudy Moon phase, ____
Average daily cloudiness (0-10), 5
Actual sunshine, hours, 2.8 Possible sunshine, hours, 9.9
Per cent of possible sunshine, 28
Prevailing wind direction, W Total wind, 301
Average hourly velocity, 12.5 Extreme velocity, 25
Maximum velocity, 23 Direction, W
Time began, 12:22 P.M.
Reduced barometer, 30.12 7 a. m. 30.28 7 p. m.
River gage, 0.5 feet
Relative humidity, 87 7 a. m. 82 7 p. m.

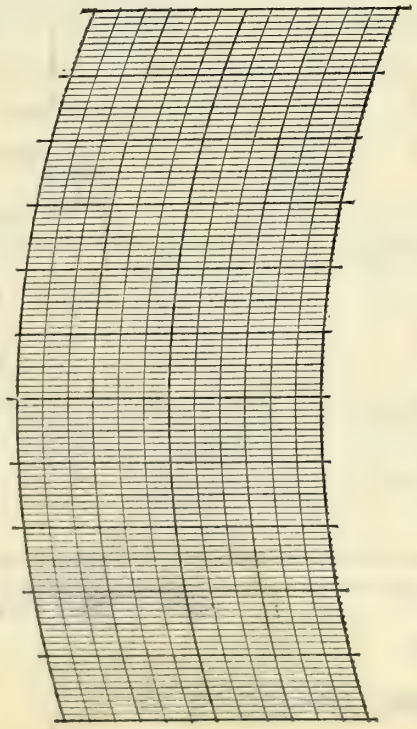
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 16.0 Wet temperature, 14.2
Dew-point, 9 R. humidity, 70 V. pressure, .060
Clouds: Amount, 1/3; Kind, ac cu; Direction, NW
Velocity of clouds (miles per hour) ____

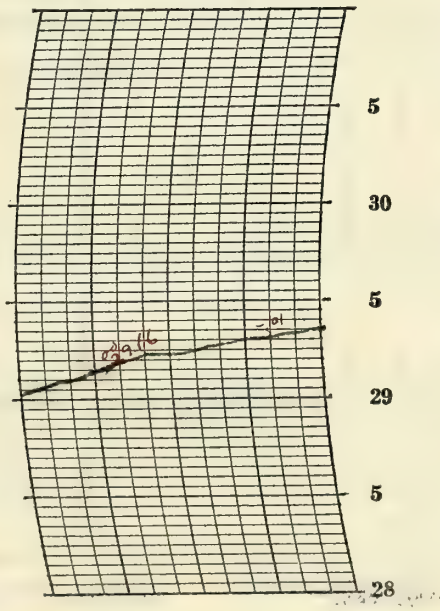
THERMOGRAPH
M 2 4 6 8 10 XII 2 4 6 8 10 M




THERMOGRAPH
M 2 4 6 8 10 XII 2 4 6 8 10 M



BAROGRAPH.
M 2 4 6 8 10 XII 2 4 6 8 10 M




Prepared by L.C.J.

Verified by CW

8—486

## NOTES

* Estimated
Cold Wave Warning fully Verified
Streets very slippery all day
Flying Conditions fair to good

Form No. 1014—Met'l

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) ~~Thursday~~, (Date) NOV 16 1933, 193

Time (local standard) 92 mer. normal time. 12

| | A.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 | P.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Temperature at end of hour | 12 | 11 | 12 | 13 | 12 | 13 | 13 | 14 | 15 | 18 | 20 | 21 | 22 | 23 | 22 | 21 | 20 | 19 | 18 | 17 | 17 | 17 | 16 | 15 |
| State of weather. Nature of precipitation and time of beginning and ending | | | | | | | | | | | | | | | | | | | | | | | | |
| Amounts of precipitation | | | | | | | | | | | | | | | | | | | | | | | | |
| Cloudiness and other conditions | | | | | | ← Cloudy | | Pt cldy | | Clear → | | | | | | | | | | | → | | | |
| | | | | | | | stm | | | | | a.m. | | | | | | | | | | | | |
| Sunshine (in tenths of hours) | | | | | | | 0 | 0 | 0 | 0 | 0.6 | 0.8 | 0.4 | 1.0 | 0.9 | 0 | 0 | | | | | | | |
| Wind direction | W | W | W | W | W | W | W | W | W | W | W | W | NW | W | W | W | W | W | W | W | W | W | S | S |
| Wind movement | 8 | 9 | 9 | 9 | 9 | 10 | 10 | 9 | 12 | 10 | 11 | 11 | 12 | 12 | 12 | 10 | 9 | 8 | 6 | 5 | 6 | 5 | 7 | 9 |

Sunrise: Time, 6:30 Character, Cloudy. Moonrise: ---- ----

Sunset: Time, 4:22 Character, Clear. Moonset: ---- ----

Maximum velocities (exceeding 24 miles) direction and time

Wind data corrected to true velocity.

| Total duration. From— | To— | Total amount of precipitation. | Excessive rate. Began— | Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | | | | | |

Excessive precipitation, accumulated amounts

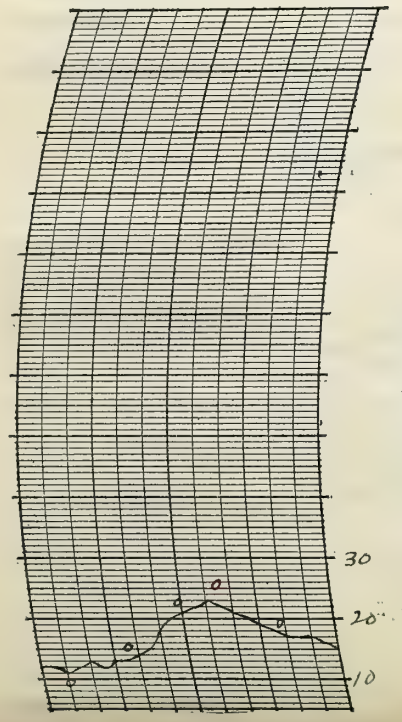
| Maximum Temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 23 | 11 | 17 | |

Total depth of snow for 24 hours ending 7 p. m., T inches.
Snow, sleet, and hail on ground 7 p. m., 5.0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., T ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Pt Cloudy. Moon phase,
Average daily cloudiness (0-10), 5
Actual sunshine, hours, 5.2 Possible sunshine, hours, 9.9
Per cent of possible sunshine, 53
Prevailing wind direction, W Total wind, 218
Average hourly velocity, 9.1 Extreme velocity, 17
Maximum velocity, 16 Direction, W
Time began, 1:09 PM
Reduced barometer, 30.47 7 a. m. 30.55 7 p. m.
River gage, 0.5 feet
Relative humidity, 81 7 a. m. 67 7 p. m.

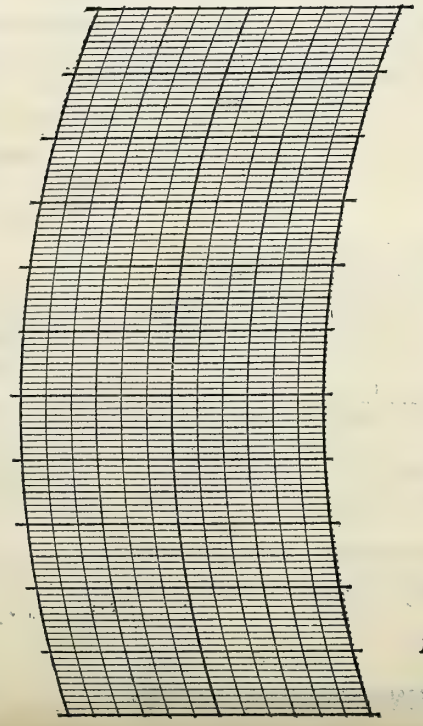
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 21.0 Wet temperature, 18.5
Dew-point, 12 R. humidity, 64 V. pressure, .070
Clouds: Amount, 3; Kind, Acu; Direction, NW
Velocity of clouds (miles per hour)

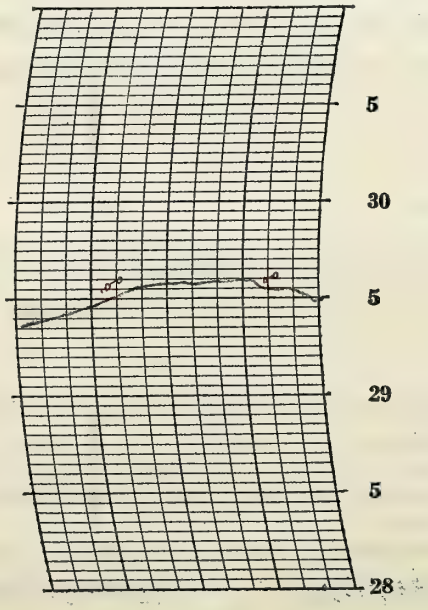
THERMOGRAPH




THERMOGRAPH




BAROGRAPH.




Prepared by L.C.S.

Verified by GN

8—486

## NOTES

Streets continued very slippery all day.
Flying conditions were excellent all day.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

Form No. 1014—Met'l

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Friday, (Date) NOV 17 1933, 193

Time (local standard) 90 mer. normal time.

| | A.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 | P.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Temperature at end of hour (15) | 15 | 15 | 16 | 16 | 18 | 20 | 24 | 27 | 31 | 36 | 37 | 34 | 35 | 36 | 38 | 40 | 42 | 42 | 42 | 42 | 42 | 41 | 40 | 40 |
| State of weather. Nature of precipitation and time of beginning and ending | | | | | | | | | | | RB 10:50 | | RE 12:15 | | | | | | | | | | | |
| Amounts of precipitation | | | | | | | | | | | .02 | .06 | T | | | | | | | | | | | |
| Cloudiness and other conditions | | | | | | | | | | | | Cloudy | | | | | | | | | | | | |
| Sunshine (in tenths of hours) | | | | | | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | | |
| Wind direction | S | S | S | S | S | S | S | S | S | S | SW | SW | SW | SW | SW | SW | SW | SW | SW | W | W | W | SW | SW |
| Wind movement | 9 | 9 | 9 | 9 | 10 | 12 | 13 | 14 | 16 | 18 | 19 | 13 | 13 | 12 | 11 | 11 | 12 | 12 | 11 | 9 | 8 | 7 | 8 | 6 |
| Maximum velocities (exceeding 24 miles) direction and time | | | | | | | | | | | | | | | | | | | | | | | | |

Sunrise: Time, 6:31 Character, Cloudy. Moonrise:

Sunset: Time, 4:21 Character, Cloudy. Moonset:

Wind data corrected to true velocity.

| | Total duration. From— | To— | Total amount of precipitation. | Excessive rate. Began— | Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Excessive precipitation, accumulated amounts | | | | | | | | | | | | | | | | | | | | |

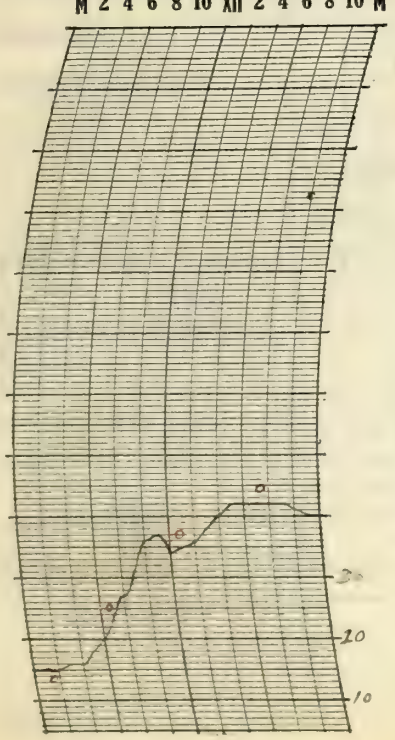
| Maximum Temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 42 | 15 | 28 | |

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0.5 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., .08 ins.
Total precipitation, midnight to midnight, .08 inches.
Character of day, Cloudy Moon phase,
Average daily cloudiness (0-10), 9
Actual sunshine, hours, 0 Possible sunshine, hours, 9.8
Per cent of possible sunshine, 0
Prevailing wind direction, SW Total wind, 271
Average hourly velocity, 11.3 Extreme velocity, 28
Maximum velocity, 24 Direction, S
Time began, 10:05 a. m.
Reduced barometer, 30.27 7 a. m. 29.95 7 p. m.
River gage, 0.5 Feet
Relative humidity, 60 7 a. m. 76 7 p. m.

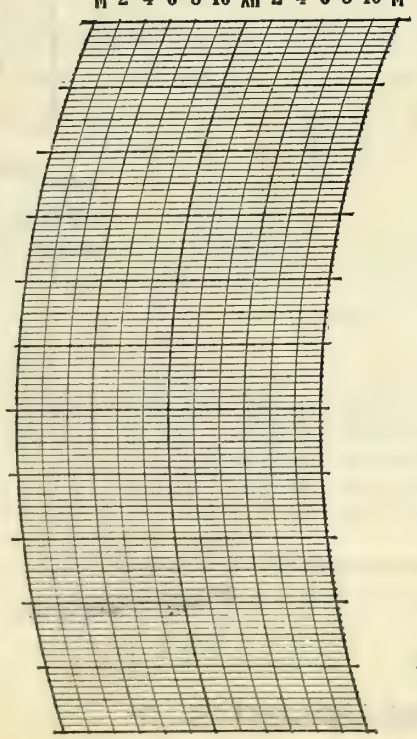
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 34.5 Wet temperature, 32.6
Dew-point, 28 R. humidity, 77 V. pressure, 150
Clouds: Amount, 10; Kind, St; Direction, SW
Velocity of clouds (miles per hour)

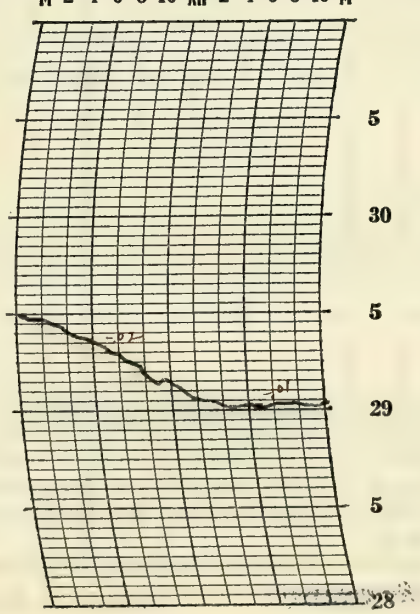
THERMOGRAPH




THERMOGRAPH




BAROGRAPH.




Prepared by L.C.S.

Verified by

8—486

## NOTES

The streets continued very slippery in spots all day.

Tipping bucket entered when rain started and removed at 7:00 p.m.

Form No. 1014—Met'l

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(Station) Fort Wayne. Ind., (Day of week) Saturday, (Date) NOV 18 1933, 193

Time (local standard) 90 mer. normal time.

| | A.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 | P.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Temperature at end of hour (40) | 38 | 36 | 34 | 32 | 32 | 33 | 34 | 34 | 34 | 37 | 39 | 40 | 38 | 38 | 37 | 36 | 35 | 34 | 33 | 32 | 32 | 31 | 32 | 32 |
| State of weather. Nature of precipitation and time of beginning and ending | | | RD DNA RE DNA P | | | | | | | | | | | | | | | | | | | | | |
| Amounts of precipitation | | | — | | | | | | | | | | | | | | | | | | | | | |
| Cloudiness and other conditions | | | | | | ← | | | | | | Cloudy | → | | | | | | | | | | | |
| | | | | | | | a st + st cu | | | | | ac + st cu | | | | | | | a st + st | | | | | |
| Sunrise: Time, Character, 6:32 Cloudy. Moonrise: | | | | | | | | | | | | | | | | | | | | | Sunset: Time, Character, 4:20 Cloudy. Moonset: | | | |
| Sunshine (in tenths of hours) | | | | | | | 0 | 0 | 0 | 0 | 0 | 0.4 | 0 | 0 | 0 | 0 | 0 | | | | | | | |
| Wind direction | SW | W | NW | NW | NW | NW | NW | W | W | W | W | NW | NW | W | NW | NW | NW | NW | NW | NW | NW | W | NW | W |
| Wind movement | 7 | 8 | 8 | 5 | 8 | 7 | 6 | 7 | 9 | 8 | 11 | 13 | 13 | 13 | 12 | 10 | 9 | 7 | 5 | 7 | 6 | 7 | 7 | 6 |
| Maximum velocities (exceeding 24 miles) direction and time | | | | | | | | | | | | | | | | | | | | | | | | |

| Maximum Temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 40 | 31 | 36 | |

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., T inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., T ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, T inches.
Character of day, Cloudy. Moon phase,
Average daily cloudiness (0-10), 9
Actual sunshine, hours, 0.4 Possible sunshine, hours, 9.8
Per cent of possible sunshine, 4
Prevailing wind direction, N.W. Total wind, 199
Average hourly velocity, 8.3 Extreme velocity, 18
Maximum velocity, 17 Direction, W
Time began, 11:49 a.m.
Reduced barometer, 30.03 7 a. m. 30.09 7 p. m.
River gage, 0.7 feet
Relative humidity, 82 7 a. m. 77 7 p. m.

Wind data corrected to true velocity.

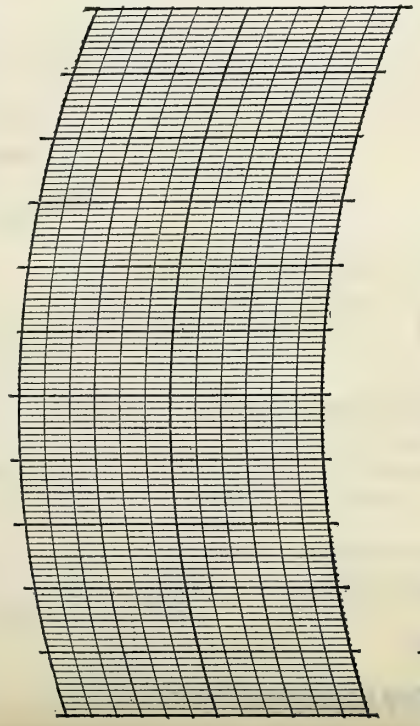
| Total duration. From— | To— | Total amount of precipitation. | Excessive rate. Began— | Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | | | | | |

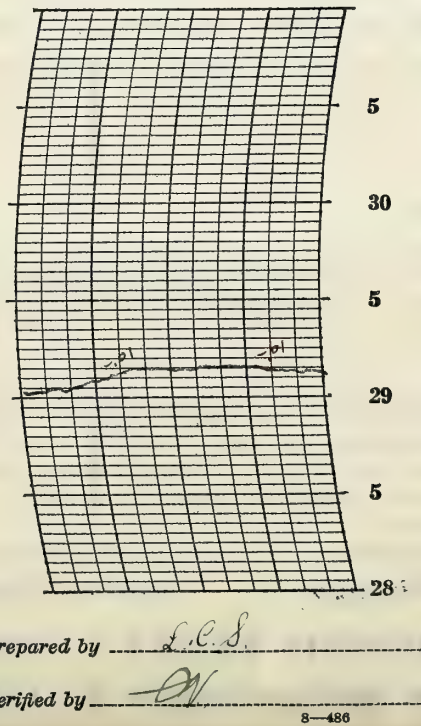
Excessive precipitation, accumulated amounts

OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 39.5 Wet temperature, 35.0
Dew-point, 28 R. humidity, 64 V. pressure, .150
Clouds: Amount, 3 5; Kind, st + cu a cu; Direction, NW W
Velocity of clouds (miles per hour)

THERMOGRAPH
M 2 4 6 8 10 XII 2 4 6 8 10 M
40
30




Prepared by L.C.S.

Verified by

8—486

## NOTES

Flying conditions good all day. Streets were slippery and slushy until noon. Flying conditions again became good at noon.

Form No. 1014—Met'l

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(Station) Fort Wayne Ind., (Day of week) Sunday, (Date) NOV 19 1933, 193

Time (local standard) 90 mer. normal time.

| | A.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 | P.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Temperature at end of hour (32) | 32 | 31 | 30 | 30 | 30 | 31 | 33 | 34 | 36 | 38 | 44 | 47 | 50 | 46 | 46 | 46 | 45 | 43 | 42 | 40 | 40 | 39 | 38 | 38 |
| State of weather. Nature of precipitation and time of beginning and ending | | | | | | | | | | | | | | | | | | | | | | | | |
| Amounts of precipitation | | | | | | | | | | | | | | | | | | | | | | | | |
| Cloudiness and other conditions | | | | | | ← Cloudy | | | | → P+Cloudy | | | | | | | | | | | | | | |
| | Sunrise: Time, 6:33 Character, Cloudy Moonrise: | | | | | | St | | | | Ci+ | Ci Cu | | | | | | | | | Sunset: Time, 4:20 Character, Clear Moonset: | | | |
| Sunshine (in tenths of hours) | | | | | | | 0 | 0 | 0 | 0 | 0.3 | 1.0 | 1.0 | 1.0 | 1.0 | 0.8 0.2 | .33 0 | | | | | | | |
| Wind direction | W | W | SW | SW | SW | S | S | S | S | S | S | SW | SW | W | W | W | W | W | W | SW | SW | SW | SW | SW |
| Wind movement | 7 | 5 | 7 | 8 | 8 | 9 | 9 | 11 | 11 | 12 | 12 | 14 | 15 | 16 | 15 | 11 | 8 | 8 | 7 | 9 | 9 | 9 | 9 | 9 |
| Maximum velocities (exceeding 24 miles) direction and time | | | | | | | | | | | | | | | | | | | | | | | | |

Wind data corrected to true velocity.

| | Total duration. From— | To— | Total amount of precipitation. | Excessive rate. Began— | Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Excessive precipitation, accumulated amounts | | | | | | | | | | | | | | | | | | | | |

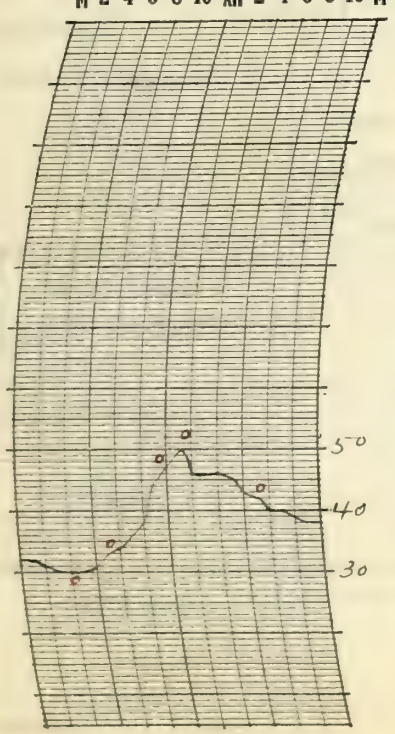
| Maximum Temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 50 | 30 | 40 | |

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, P+Cloudy Moon phase,
Average daily cloudiness (0-10), 5
Actual sunshine, hours, 5.6 Possible sunshine, hours, 9.8
Per cent of possible sunshine, 57
Prevailing wind direction, SW Total wind, 238
Average hourly velocity, 9.9 Extreme velocity, 21
Maximum velocity, 20 Direction, W
Time began, 1:43 P.M.
Reduced barometer, 29.90 7 a. m. 29.80 7 p. m.
River gage, 0.6 feet
Relative humidity, 76 7 a. m. 64 7 p. m.

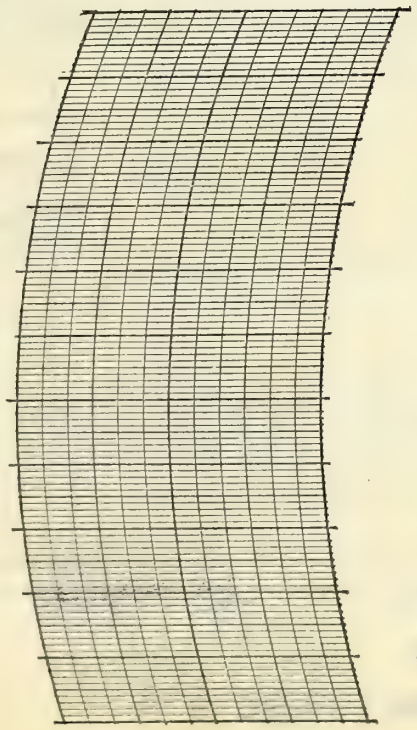
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 47.0 Wet temperature, 39.2
Dew-point, 29 R. humidity, 48 V. pressure, .157
Clouds: Amount, 2/3; Kind, Ci Cu; Direction, W
Velocity of clouds (miles per hour)

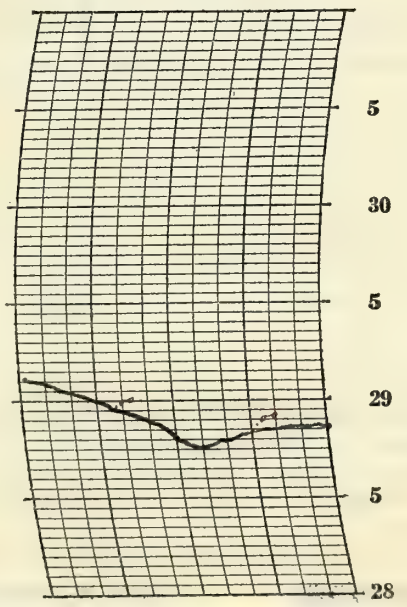
THERMOGRAPH




THERMOGRAPH




BAROGRAPH.




Prepared by L. C. S.

Verified by

8—486

## NOTES

Special observation sent to Chicago at 12 Noon account .14 in drop in pressure in three hours and radio reports of bad conditions to near North and Northeast from station.

Flying conditions good to excellent all day.

Streets free from ice and driving conditions good.

Form No. 1014—Met'l

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Monday, (Date) NOV 20 1933, 193

Time (local standard) 90 mer. normal time.

| | A.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 | P.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Temperature at end of hour (38) | 37 | 37 | 36 | 35 | 34 | 35 | 34 | 36 | 40 | 42 | 44 | 46 | 48 | 50 | 50 | 50 | 48 | 45 | 43 | 41 | 40 | 39 | 42 | 44 |
| State of weather: Nature of precipitation and time of beginning and ending | | | | | | | | | | | | | | | | | | | | | | | | |
| Amounts of precipitation | | | | | | | | | | | | | | | | | | | | | | | | |
| Cloudiness and other conditions | | | | | | | | | | | | Clear | | | | | | | | | | | | |
| Sunshine (in tenths of hours) | | | | | | | .4 2 0 | 1.0 0 | 1.0 0 | 0.7 | 1.0 | 1.0 | 1.0 | 1.0 | 0.6 | 0 | 0 | | | | | | | |
| Wind direction | SW | SW | SW | SW | SW | SW | SW | SW | E | E | E | E | E | E | E | SE | E | E | E | E | E | E | E | SE |
| Wind movement | 9 | 7 | 6 | 4 | 2 | 3 | 5 | 5 | 7 | 7 | 9 | 9 | 9 | 9 | 9 | 9 | 6 | 6 | 8 | 9 | 6 | 5 | 6 | 9 |

Sunrise: Time, 6:35 Character, Clear (Through local smoke) Moonrise: ---- ----

Sunset: Time, 4:19 Character, Clear Moonset: ---- ----

Maximum velocities (exceeding 24 miles) direction and time: ----

Wind data corrected to true velocity.

| Total duration. From— | To— | Total amount of precipitation. | Excessive rate. Began— | Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | | | | | |

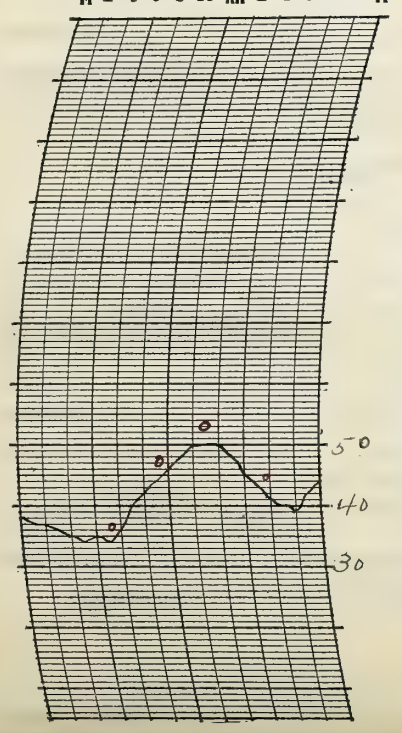
Excessive precipitation, accumulated amounts: ----

| Maximum Temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 50 | 34 | 42 | |

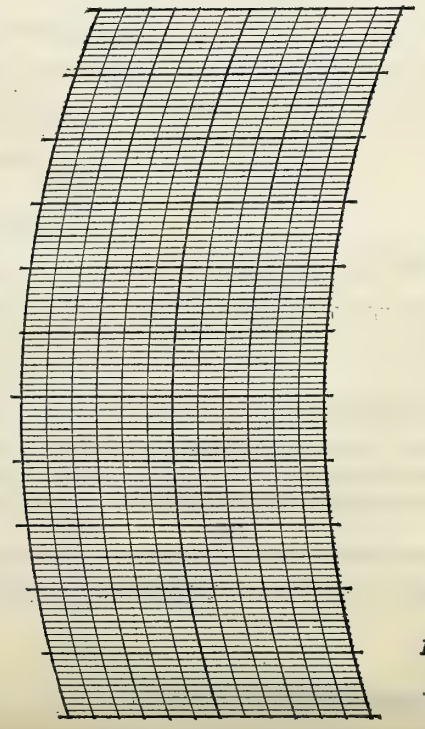
Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Clear Moon phase, ----
Average daily cloudiness (0-10), Fair
Actual sunshine, hours, 9.4 Possible sunshine, hours, 9.7
Per cent of possible sunshine, 97
Prevailing wind direction, E Total wind, 164
Average hourly velocity, 6.8 Extreme velocity, 11
Maximum velocity, 11 Direction, E
Time began, 2:03 P.M.
Reduced barometer, 29.92 7 a. m. 29.88 7 p. m.
River gage, 0.4 Feet
Relative humidity, 86 7 a. m. 76 7 p. m.

OBSERVATIONS AT 12 NOON.
(Local Mean Time.)
Dry temperature, 46.4 Wet temperature, 41.0
Dew-point, 35 R. humidity, 63 V. pressure, .203
Clouds: Amount, 0; Kind, 0; Direction, 0
Velocity of clouds (miles per hour): ----

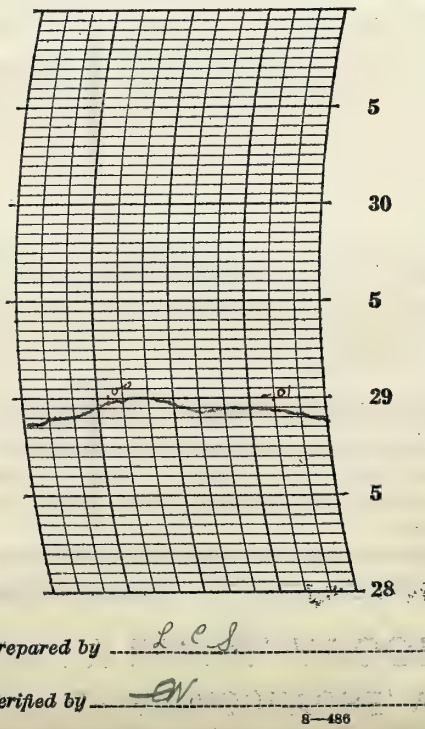
THERMOGRAPH




THERMOGRAPH




BAROGRAPH.




Prepared by L C S

Verified by CW

8—486

## NOTES

Flying conditions were good to excellent all day.

Form No. 1014—Met'l

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Tuesday, (Date) NOV 21 1933, 193

Time (local standard) 90 mer. normal time.

| | A.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 | P.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Temperature at end of hour (38) | 38 | 38 | 38 | 38 | 38 | 38 | 38 | 38 | 38 | 38 | 38 | 38 | 38 | 38 | 38 | 38 | 38 | 38 | 38 | 38 | 38 | 38 | 38 | 38 |
| State of weather: Nature of precipitation and time of beginning and ending | | | | | | | | | | | | | | | | | | | | | | | | |
| Amounts of precipitation | | | | | | | | | | | | | | | | | | | | | | | | |
| Cloudiness and other conditions | | | | | | | | | | | | | | | | | | | | | | | | |
| Sunshine (in tenths of hours) | | | | | | | | | | | | | | | | | | | | | | | | |
| Wind direction | | | | | | | | | | | | | | | | | | | | | | | | |
| Wind movement | | | | | | | | | | | | | | | | | | | | | | | | |

Sunrise: Time, ---- Character, ---- Moonrise: ---- ----

Sunset: Time, ---- Character, ---- Moonset: ---- ----

Maximum velocities (exceeding 24 miles) direction and time: ----

Wind data corrected to true velocity.

| Total duration. From— | To— | Total amount of precipitation. | Excessive rate. Began— | Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | | | | | |

Excessive precipitation, accumulated amounts: ----

| Maximum Temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| | | | |

Total depth of snow for 24 hours ending ---- p. m., ---- inches.
Snow, sleet, and hail on ground ---- p. m., ---- inches.
Total snowfall, midnight to midnight, ---- inches.
Precipitation to ---- a. m., ---- ins.; to ---- p. m., ---- ins.
Total precipitation, midnight to midnight, ---- inches.
Character of day, ---- Moon phase, ----
Average daily cloudiness (0-10), ----
Actual sunshine, hours, ---- Possible sunshine, hours, ----
Per cent of possible sunshine, ----
Prevailing wind direction, ---- Total wind, ----
Average hourly velocity, ---- Extreme velocity, ----
Maximum velocity, ---- Direction, ----
Time began, ----
Reduced barometer, ---- 7 a. m. ---- 7 p. m.
River gage, ----
Relative humidity, ---- 7 a. m. ---- 7 p. m.

OBSERVATIONS AT 12 NOON.
(Local Mean Time.)
Dry temperature, ---- Wet temperature, ----
Dew-point, ---- R. humidity, ---- V. pressure, ----
Clouds: Amount, ----; Kind, ----; Direction, ----
Velocity of clouds (miles per hour): ----

THERMOGRAPH




THERMOGRAPH




BAROGRAPH.




Prepared by ----

Verified by ----

8—486

## NOTES

Form No. 1014—Met'l

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Tuesday, (Date) NOV 21 1933, 193

Time (local standard) 90 mer. normal time.

| | 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 | 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Temperature at end of hour | 44 | 44 | 45 | 45 | 44 | 45 | 47 | 49 | 49 | 50 | 50 | 50 | 50 | 51 | 50 | 50 | 48 | 47 | 47 | 44 | 43 | 41 | 40 | 39 |
| State of weather. Nature of precipitation and time of beginning and ending | | | | | | | | RB 7:30 | RE 8:10 | RB 9:25 | | | | | | RE 3:20 | | RB 5:20 RE 5:30 | | | | | | |
| Amounts of precipitation | | | | | | | | .02 | .01 | T | .03 | .06 | .07 | .02 | .01 | T | | .01 | | | | | | |
| Cloudiness and other conditions | | | | | | Clear | Pt Cloudy | | | | Cloudy | | | | | | Pt Cloudy | | Cloudy | | | | | |
| | | | | | | | a Cu | | | | St | | | | | | | | St Cu | | | | | |
| Sunshine (in tenths of hours) | | | | | | | .15 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | | |
| Wind direction | S | S | S | S | S | S | S | SW | S | S | S | S | S | SW | SW | W | W | W | W | W | W | W | W | NW |
| Wind movement | 8 | 9 | 9 | 10 | 9 | 10 | 10 | 10 | 9 | 9 | 11 | 9 | 13 | 15 | 15 | 17 | 14 | 16 | 15 | 17 | 14 | 14 | 12 | 11 |
| Maximum velocities (exceeding 24 miles) direction and time | | | | | | | | | | | | | | | | | | | | | | | | |

Sunrise: Time, 6:36 Character, Clear to 6:45
Moonrise:

Sunset: Time, 4:18 Character, Cloudy
Moonset:

Wind data corrected to true velocity.

| Total duration. From— | To— | Total amount of precipitation. | Excessive rate. Began— | Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | | | | | |

Excessive precipitation, accumulated amounts

| Maximum Temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 51 | 39 | 45 | |

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0.23 ins.
Total precipitation, midnight to midnight, 0.23 inches.
Character of day, Cloudy Moon phase,
Average daily cloudiness (0-10), 8
Actual sunshine, hours, 0.2 Possible sunshine, hours, 9.7
Per cent of possible sunshine, 2
Prevailing wind direction, S Total wind, 286
Average hourly velocity, 11.9 Extreme velocity, 20
Maximum velocity, 19 Direction, W
Time began, 7:30 P.M.
Reduced barometer, 29.68 7 a. m. 29.68 7 p. m.
River gage, 0.3 feet
Relative humidity, 68 7 a. m. 73 7 p. m.

OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 50.5 Wet temperature, 48.8
Dew-point, 47, R. humidity, 89 V. pressure, .322
Clouds: Amount, 10; Kind, St Sc; Direction, S
Velocity of clouds (miles per hour)

THERMOGRAPH
M 2 4 6 8 10 XII 2 4 6 8 10 M
60 50 40 30

THERMOGRAPH
M 2 4 6 8 10 XII 2 4 6 8 10 M

BAROGRAPH.
M 2 4 6 8 10 XII 2 4 6 8 10 M
5 30 5 29 5 28

Prepared by L.C.S.
Verified by

8—486

## NOTES

Flying conditions poor greater portion of the day. Mid day was worst visibility at times low as one mile. Light fog part of day (8:00 A to 3:00 P)
FB entered 7:38 a.m.

Form No. 1014—Met'l

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Wednesday, (Date) NOV 22 1933, 193

Time (local standard) 90 mer. normal time.

| | A.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 | P.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Temperature at end of hour (39) | 38 | 37 | 37 | 37 | 37 | 37 | 36 | 36 | 36 | 37 | 37 | 38 | 40 | 40 | 39 | 39 | 39 | 39 | 38 | 36 | 35 | 34 | 34 | 34 |
| State of weather: Nature of precipitation and time of beginning and ending | | | RB DNA RE DNA | | | | | | | | | | | | | | | RB 5:20 | ø | | | | | R cont'd |
| Amounts of precipitation | | | T | | | | | | | | | | | | | | | T | .01 | – | – | – | – | – |
| Cloudiness and other conditions | | | | | | ← | | | | | | Cloudy → | | | | | | | | | | | | |
| | | | | | | | St | | | | | St | | | | | | | Stcu | | | | | |
| Sunshine (in tenths of hours) | | | | | | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | | |
| Wind direction | W | W | W | W | W | W | W | W | W | W | W | W | W | W | W | W | W | W | W | NW | NW | NE | NE | NE |
| Wind movement | 9 | 10 | 8 | 8 | 6 | 8 | 7 | 8 | 9 | 7 | 9 | 7 | 9 | 8 | 7 | 5 | 5 | 5 | 6 | 5 | 7 | 6 | 6 | 7 |
| Maximum velocities (exceeding 24 miles) direction and time | | | | | | | | | | | | | | | | | | | | | | | | |

Sunrise: Time, 6:37 Character, Cloudy. Moonrise:

Sunset: Time, 4:18 Character, Cloudy. Moonset:

Wind data corrected to true velocity.

| Total duration. From— | To— | Total amount of precipitation. | Excessive rate. Began— | Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | | | | | |

Excessive precipitation, accumulated amounts

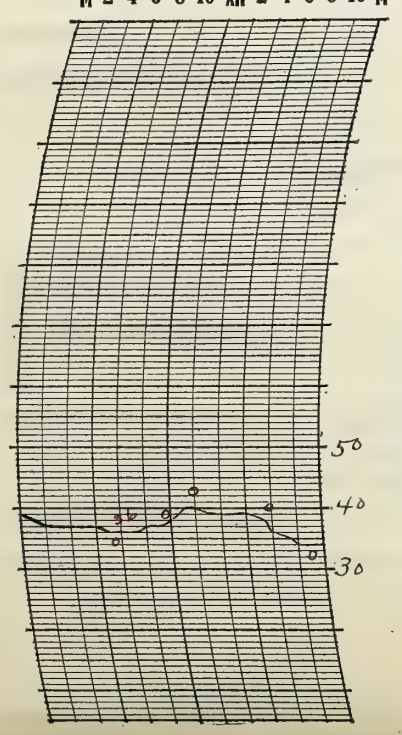
| Maximum Temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 40 | 34 | 37 | |

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., T ins.; to 7 p. m., .01 ins.
Total precipitation, midnight to midnight, .02* inches.
Character of day, Cloudy Moon phase,
Average daily cloudiness (0-10), 10
Actual sunshine, hours, 0 Possible sunshine, hours, 9.7
Per cent of possible sunshine, 0
Prevailing wind direction, W Total wind, 172
Average hourly velocity, 7.2 Extreme velocity, 12
Maximum velocity, 12 Direction, W
Time began, 1:26 a.m.
Reduced barometer, 29.89 7 a. m. 29.96 7 p. m.
River gage, 0.7 feet
Relative humidity, 89 7 a. m. 89 7 p. m.

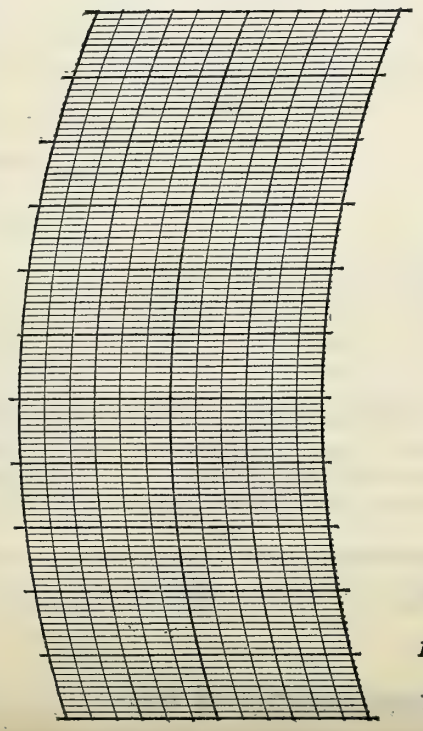
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 38.0 Wet temperature, 36.0
Dew-point, 33 R. humidity, 83 V. pressure, .187
Clouds: Amount, 10; Kind, St Fr Sc Direction, W
Velocity of clouds (miles per hour)

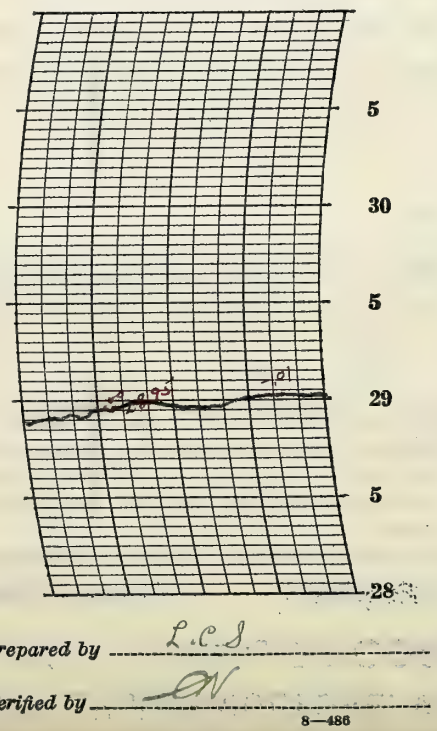
THERMOGRAPH




THERMOGRAPH




BAROGRAPH.




Prepared by L.C.S

Verified by

8—486

## NOTES

ø T.B. removed 6:42 P.M.

* Estimated

Light haze all day. Flying conditions were only fair all day.

Form No. 1014—Met'l

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Thursday, (Date) NOV 23 1933, 193

Time (local standard) 90 mer. normal time.

| | A.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 | P.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Temperature at end of hour (34) | 34 | 33 | 33 | 33 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 33 | 33 | 34 | 34 | 34 | 34 | 35 | 35 | 35 |
| State of weather. Nature of precipitation and time of beginning and ending | R Contl | | | | RE D.N.A ? | | | | | | | | | | | | | | | | | | | |
| Amounts of precipitation | – | – | – | – | – | | | | | | | | | | | | | | | | | | | |
| Cloudiness and other conditions | | | | | | ← | | | | | | Cloudy | → | | | | | | | | | | | |
| | Sunrise: Time, 6:38 Character, Cloudy Moonrise: | | | | | | St | | | | | St | | | | | | | St | | Sunset: Time, 4:17 Character, Cloudy Moonset: | | | |
| Sunshine (in tenths of hours) | | | | | | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | | |
| Wind direction | NE | NE | NE | NE | NE | NE | NE | NE | NE | NE | N | NE | N | NW | W | W | W | W | W | W | W | W | W | W |
| Wind movement | 9 | 8 | 7 | 9 | 9 | 8 | 9 | 8 | 8 | 7 | 7 | 6 | 5 | 4 | 7 | 3 | 3 | 4 | 4 | 5 | 4 | 7 | 5 | 7 |
| Maximum velocities (exceeding 24 miles) direction and time | | | | | | | | | | | | | | | | | | | | | | | | |

Wind data corrected to true velocity.

| | Total duration. From— | To— | Total amount of precipitation. | Excessive rate. Began— | Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Excessive precipitation, accumulated amounts | | | | | | | | | | | | | | | | | | | | |

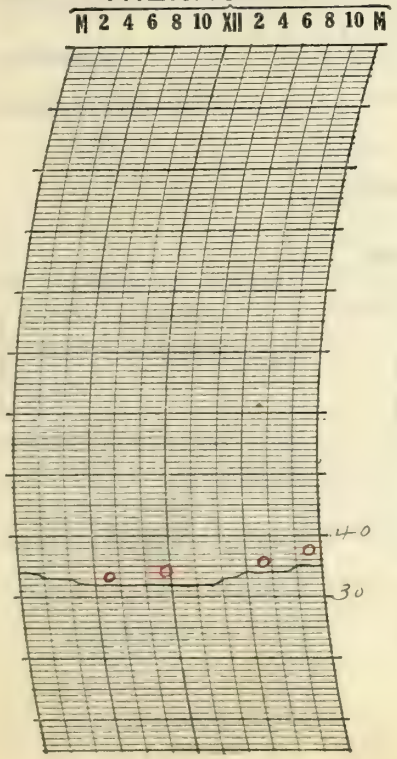
| Maximum Temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 35 | 32 | 34 | |

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 02 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, .01 inches.
Character of day, Cloudy Moon phase,
Average daily cloudiness (0-10), 10
Actual sunshine, hours, 0 Possible sunshine, hours, 9.6
Per cent of possible sunshine, 0
Prevailing wind direction, NE Total wind, 153
Average hourly velocity, 6.4 Extreme velocity, 11
Maximum velocity, 11 Direction, NE
Time began, 6:32 a.m.
Reduced barometer, 30.03 7 a. m. 30.09 7 p. m.
River gage, 0.7 feet
Relative humidity, 85 7 a. m. 70 7 p. m.

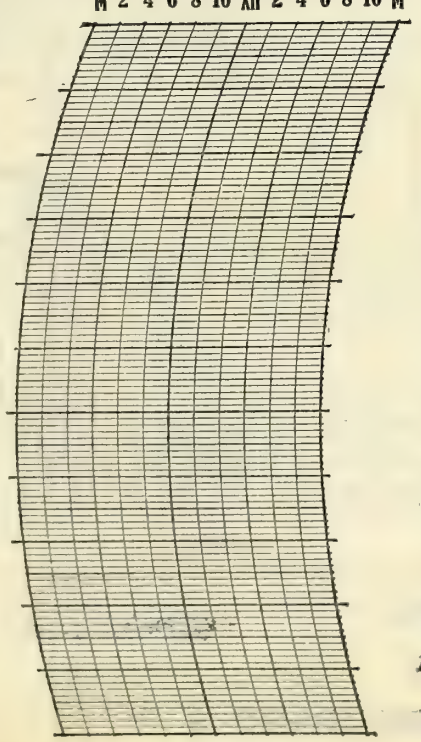
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 32.0 Wet temperature, 30.0
Dew-point, 27 R. humidity, 79 V. pressure, .143
Clouds: Amount, 10; Kind, St; Direction, NE
Velocity of clouds (miles per hour)

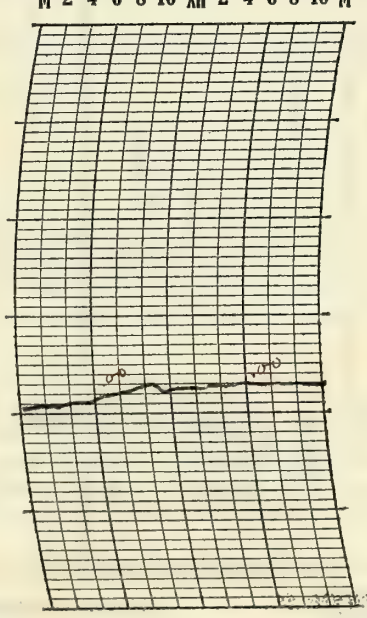
THERMOGRAPH




THERMOGRAPH




BAROGRAPH.




Prepared by L.C.S

Verified by OR

8—486

## NOTES

Flying conditions very good all day.
x Estimated
Light Haze continued from during night to 9:00 A.M

Form No. 1014—Met'l

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Friday, (Date) NOV 24 1933, 193

Time (local standard) 90 mer. normal time.

| | A.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 | P.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Temperature at end of hour (35) | 35 | 35 | 35 | 34 | 34 | 34 | 34 | 35 | 36 | 36 | 37 | 37 | 37 | 38 | 38 | 38 | 38 | 38 | 38 | 37 | 36 | 34 | 33 | 32 |
| State of weather: Nature of precipitation and time of beginning and ending | | | | | | | | | | | | | | | | | | | | | | | | |
| Amounts of precipitation | | | | | | | | | | | | | | | | | | | | | | | | |
| Cloudiness and other conditions | | | | | | ← | | | | | | Cloudy | | | | | | | | | pt Cloudy → | | | |
| | Sunrise: Time 6:39, Character Cloudy; Moonrise: | | | | | | St | | | | | St | | | | | | | St Cu | | Sunset: Time 4:16, Character Cloudy; Moonset: | | | |
| Sunshine (in tenths of hours) | | | | | | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | | |
| Wind direction | SW | SW | SW | SW | SW | SW | SW | SW | SW | W | W | W | W | W | W | W | W | W | W | SW | SW | SW | SW | SW |
| Wind movement | 7 | 8 | 6 | 9 | 8 | 9 | 9 | 9 | 10 | 13 | 15 | 16 | 16 | 13 | 15 | 15 | 12 | 12 | 12 | 9 | 8 | 9 | 9 | 9 |
| Maximum velocities (exceeding 24 miles) direction and time | | | | | | | | | | | | | | | | | | | | | | | | |

Wind data corrected to true velocity.

| | Total duration. From— | To— | Total amount of precipitation. | Excessive rate. Began— | Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Excessive precipitation, accumulated amounts | | | | | | | | | | | | | | | | | | | | |

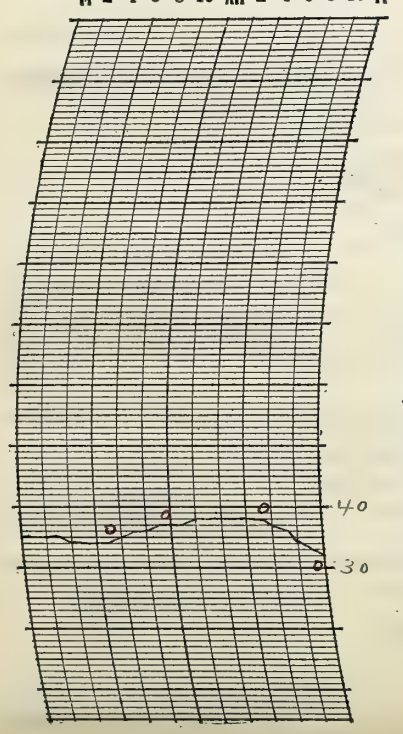
| Maximum Temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 38 | 32 | 35 | |

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Cloudy Moon phase,
Average daily cloudiness (0-10), 10
Actual sunshine, hours, 0 Possible sunshine, hours, 9.6
Per cent of possible sunshine, 0
Prevailing wind direction, SW Total wind, 258
Average hourly velocity, 10.8 Extreme velocity, 21
Maximum velocity, 21 Direction, W
Time began, 11:00 A. M.
Reduced barometer, 30.12 7 a. m. 30.21 7 p. m.
River gage, 0.8 feet
Relative humidity, 81 7 a. m. 73 7 p. m.

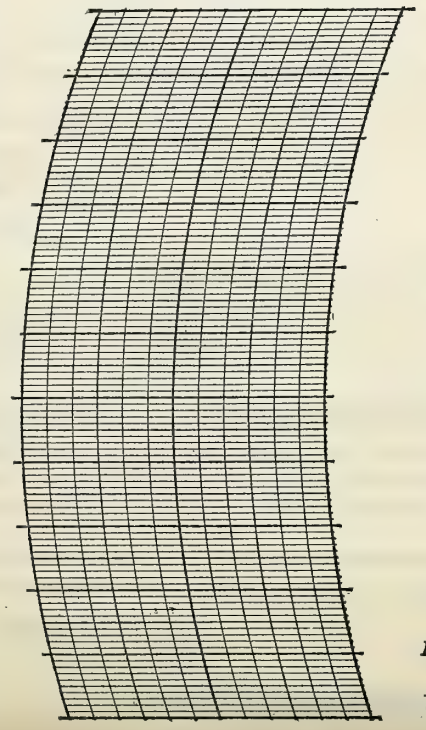
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 37.0 Wet temperature, 35.0
Dew-point, 32 R. humidity, 83 V. pressure, 30.180
Clouds: Amount, 10; Kind, St; Direction, W
Velocity of clouds (miles per hour)

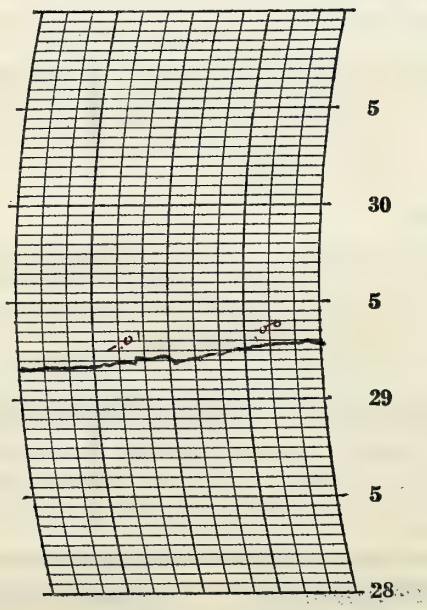
THERMOGRAPH




THERMOGRAPH




BAROGRAPH.




Prepared by L.C.S.

Verified by

8—486

## NOTES

Flying conditions were good all day.

Form No. 1014—Met'l

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

Form No. 1014—Met'l

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

# DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Saturday, (Date) NOV 25 1933, 193

Time (local standard) 90 mer. normal time.

| | A.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 | P.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Temperature at end of hour | 32 | 32 | 32 | 31 | 31 | 31 | 32 | 33 | 36 | 38 | 41 | 44 | 46 | 49 | 51 | 50 | 49 | 48 | 48 | 48 | 48 | 49 | 50 | 48 |
| State of weather. Nature of precipitation and time of beginning and ending | | | | | | | | | | | | | | | | | | | | | | | | |
| Amounts of precipitation | | | | | | | | | | | | | | | | | | | | | | | | |
| Cloudiness and other conditions | | | | | | | | | | | | Cloudy | | | | | | | | | | | | |
| | Sunrise: Time 6:41, Character Cloudy. Moonrise: | | | | | | St | | | | | Ci | | | | | | | Ci | | Sunset: Time 4:16, Character Clear. Moonset: | | | |
| Sunshine (in tenths of hours) | | | | | | | 0 | 0 | 0.1 | 0.4 | 1.0 | 0.8 | 0 | 0.3 | 0.2 0.6 | 1.0 0 | .25 0 | | | | | | | |
| Wind direction | S | SW | SW | S | S | S | SW | SW | SW | SW | SW | SW | SW | SW | SW | SW | S | S | S | SW | SW | SW | SW | SW |
| Wind movement | 11 | 12 | 11 | 10 | 11 | 13 | 16 | 18 | 19 | 18 | 21 | 20 | 18 | 18 | 18 | 16 | 15 | 15 | 15 | 17 | 17 | 16 | 18 | 17 |
| Maximum velocities (exceeding 24 miles) direction and time | | | | | | | | | | | | | | | | | | | | | | | | |

Wind data corrected to true velocity.

| Excessive precipitation, accumulated amounts | Total duration. From— | To— | Total amount of precipitation. | Excessive rate. Began— | Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | | | | | | |

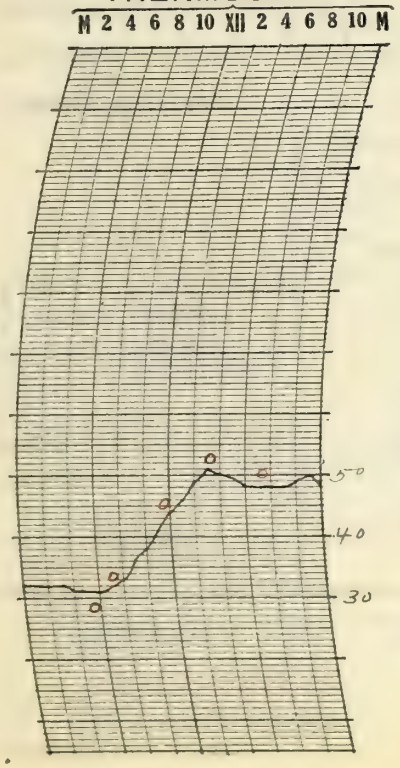
| Maximum Temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 51 | 31 | 41 | |

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Cloudy Moon phase,
Average daily cloudiness (0-10), 9
Actual sunshine, hours, 4.6 Possible sunshine, hours, 9.6
Per cent of possible sunshine, 48 Thru Clouds
Prevailing wind direction, SW Total wind, 380
Average hourly velocity, 15.8 Extreme velocity, 26
Maximum velocity, 24 Direction, SW
Time began, 10:34 a.m.
Reduced barometer, 30.15 7 a. m. 29.82 7 p. m.
River gage, 0.7 feet
Relative humidity, 90 7 a. m. 72 7 p. m.

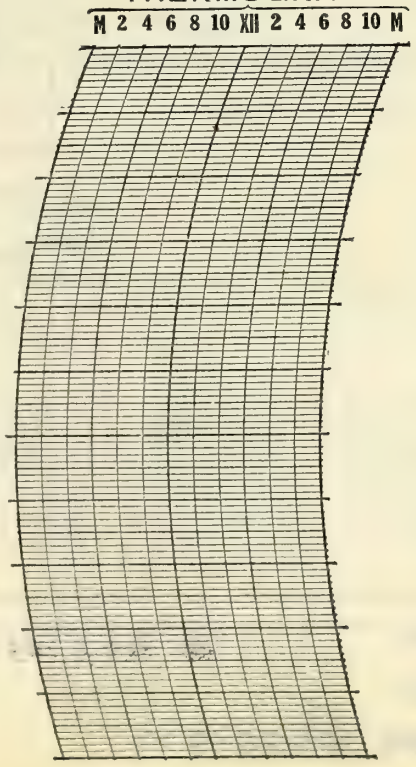
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 44.0 Wet temperature, 40.0
Dew-point, 35 R. humidity, 71 V. pressure, .203
Clouds: Amount, 10 8; Kind, ~~Ci-Cu~~ Ci; Direction, ~~W~~ W
Velocity of clouds (miles per hour)

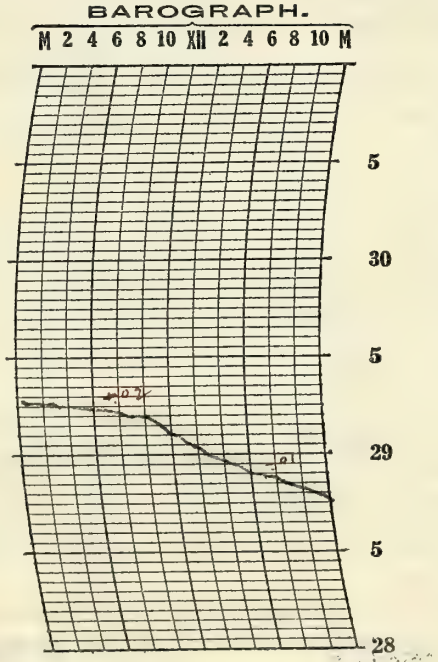
THERMOGRAPH




THERMOGRAPH




BAROGRAPH.




Prepared by L.C.S.

Verified by W

8—486

## NOTES

Winds were fresh all day but no damage has been reported from it. Flying conditions were fair to good.

Form No. 1014—Met'l

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Sunday, (Date) NOV 26 1933, 193

Time (local standard) 90 mer. normal time.

| | A.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 | P.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 48 Temperature at end of hour | 47 | 46 | 43 | 39 | 35 | 34 | 34 | 35 | 35 | 33 | 33 | 32 | 33 | 34 | 34 | 32 | 31 | 29 | 30 | 29 | 29 | 29 | 29 | 29 |
| State of weather. Nature of precipitation and time of beginning and ending | | | IP B DNA | light | | RE DNA R+SHB DNA | | light | to moderate | | | | R+SH E 1:00 | | | | SNO 4:45 | SNE 5:30 | | | | | | |
| | | | | | | | | | | | | | | | | | very light | | | | | | | |
| Amounts of precipitation | | | – | – | – | – | – | – | – | – | – | – | – | | | | – | – | | | | | | |
| Cloudiness and other conditions | | | | | | | St | | | | St | | | | | | | | St | | | | | |
| Sunshine (in tenths of hours) | | | | | | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | | |
| Wind direction | SW | SW | SW | W | W | W | W | NW | NW | NW | NW | NW | NW | NW | NW | NW | NW | NW | NW | NW | NW | NW | NW | NW |
| Wind movement | 15 | 14 | 15 | 20 | 20 | 18 | 17 | 21 | 20 | 19 | 15 | 16 | 22 | 21 | 19 | 19 | 21 | 18 | 17 | 18 | 15 | 15 | 15 | 9 |
| Maximum velocities (exceeding 24 miles) direction and time | | | | | | | | | | | | | 26 NW 12:13 | 27 NW 1:27 | 26 NW 2:22 | | | | | | | | | |

Sunrise: Time, 6.42 Character, Cloudy. Moonrise:

Sunset: Time, 4:15 Character, Cloudy. Moonset:

Wind data corrected to true velocity.

Excessive precipitation, accumulated amounts

| Total duration. From— | To— | Total amount of precipitation. | Excessive rate. Began— | Ended— | Amount before excessive began. |
|---|---|---|---|---|---|
| | | | | | |

Accumulated depths during excessive rate, for consecutive periods of time indicated below.

| 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | |

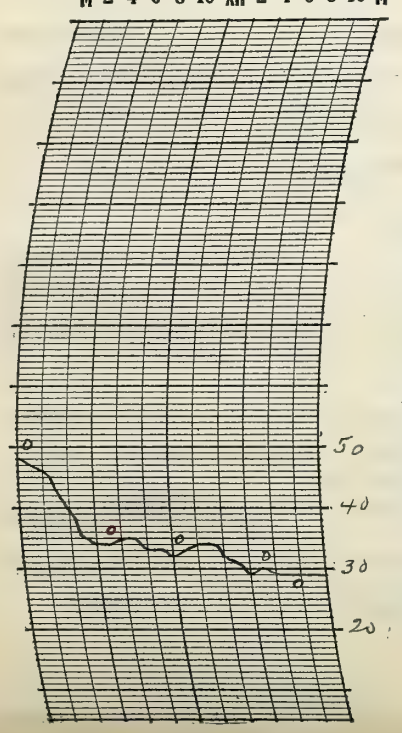
| Maximum Temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 48 | 29 | 38 | |

Total depth of snow for 24 hours ending 7 p. m., T inches.
Snow, sleet, and hail on ground 7 p. m., T inches.
Total snowfall, midnight to midnight, T inches.
Precipitation to 7 a. m., .01 ins.; to 7 p. m., .04 ins.
Total precipitation, midnight to midnight, .05 inches.
Character of day, Cloudy Moon phase,
Average daily cloudiness (0-10), 10
Actual sunshine, hours, 0 Possible sunshine, hours, 9.6
Per cent of possible sunshine, 0
Prevailing wind direction, NW Total wind, 419
Average hourly velocity, 17.5 Extreme velocity, 29
Maximum velocity, 27 Direction, NW
Time began, 1:27 P m.
Reduced barometer, 29.59 7 a. m. 29.95 7 p. m.
River gage, 0.7 feet
Relative humidity, 93 7 a. m. 78 7 p. m.

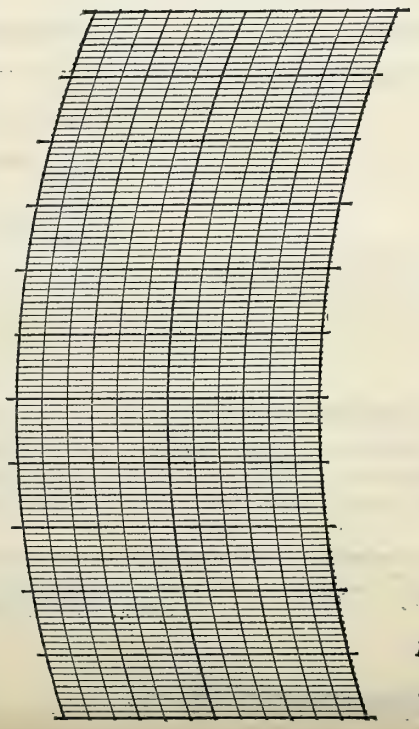
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 32.0 Wet temperature, 30.4
Dew-point, 28 R. humidity, 84 V. pressure, 1.50
Clouds: Amount, 10; Kind, St; Direction, NW
Velocity of clouds (miles per hour)

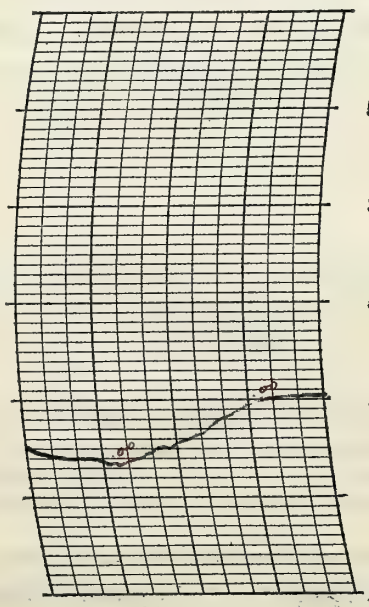
THERMOGRAPH




THERMOGRAPH




BAROGRAPH.




Prepared by L.C.S.

Verified by W

8—486

## NOTES

Strong winds greater portion of the day but no damage has been reported from same. Flying conditions poor all day.

Form No. 1014—Met'l

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

Form No. 1014—Met'l

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Monday, (Date) NOV 27 1933, 193

Time (local standard) 90 mer. normal time.

| | A.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 | P.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Temperature at end of hour (29) | 29 | 30 | 30 | 28 | 27 | 26 | 25 | 25 | 27 | 31 | 35 | 38 | 44 | 46 | 48 | 48 | 47 | 46 | 46 | 46 | 46 | 48 | 48 | 46 |
| State of weather. Nature of precipitation and time of beginning and ending | | | | | | | | | | | | | | | | | | | | | | | | |
| Amounts of precipitation | | | | | | | | | | | | | | | | | | | | | | | | |
| Cloudiness and other conditions | | | | | | ← | | | Cloudy | | | → | × Pt Cldy | | → × Clear | | | | × Pt Cloudy | → | | | | |
| Sunshine (in tenths of hours) | | | | | | | 0 | 0 | 0 | 0 | 0.6 | 0.8 | 0.9 | 0.1 | 0.3 | 1.0 0 | .25 0 | | | | | | | |
| Wind direction | NW | NW | NW | W | W | SW | SW | S | S | S | S | S | S | S | S | SW | SW | SW | SW | SW | SW | W | W | W |
| Wind movement | 9 | 9 | 7 | 9 | 9 | 9 | 9 | 9 | 12 | 13 | 15 | 15 | 18 | 20 | 21 | 16 | 15 | 15 | 15 | 15 | 13 | 13 | 15 | 12 |
| Maximum velocities (exceeding 24 miles) direction and time | | | | | | | | | | | | | | | | | | | | | | | | |

Sunrise: Time, 6:43 Character, Cloudy
Moonrise:

Sunset: Time, 4:15 Character, Clear
Moonset:

Wind data corrected to true velocity.

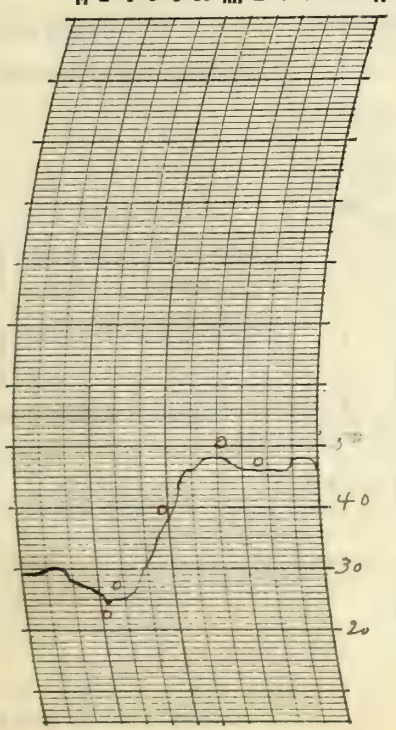
| | Total duration. From— | To— | Total amount of precipitation. | Excessive rate. Began— | Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Excessive precipitation, accumulated amounts | | | | | | | | | | | | | | | | | | | | |

| Maximum Temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 48 | 24 | 36 | |

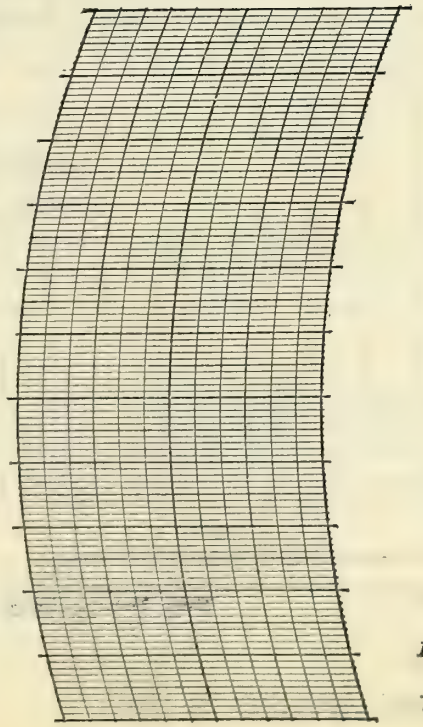
Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Pt Cloudy Moon phase,
Average daily cloudiness (0-10), 6
Actual sunshine, hours, 4.0 Possible sunshine, hours, 9.5
Per cent of possible sunshine, 42
Prevailing wind direction, S + SW Total wind, 313
Average hourly velocity, 13.0 Extreme velocity, 25
Maximum velocity, 24 Direction, S
Time began, 12:54 P.M.
Reduced barometer, 29.98 7a. m. 29.69 7p. m.
River gage, 0.8 feet
Relative humidity, 93 7a. m. 54 7p. m.

OBSERVATIONS AT 12 NOON.
(Local Mean Time.)
Dry temperature, 37.5 Wet temperature, 34.0
Dew-point, 29 R. humidity, 70 V. pressure, 157
Clouds: Amount, 2/5; Kind, Cu Cu; Direction, N
Velocity of clouds (miles per hour)

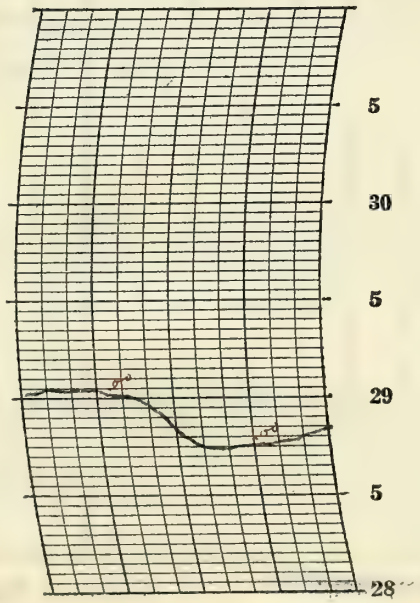
THERMOGRAPH




THERMOGRAPH




BAROGRAPH.




Prepared by L.C.S.
Verified by W

8—486

## NOTES

Special observation sent to Chicago at noon account of .16 ins fall in barometer in 3 hours.

Fresh winds from noon until about 3:00 P.M. when they abated considerably no damage reported from them.

Flying conditions were excellent all day.

Form No. 1014—Met'l

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Tuesday, (Date) NOV 28 1933, 193

Time (local standard) 90 mer. normal time. 46

| | A.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 | P.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Temperature at end of hour | 44 | 42 | 41 | 39 | 38 | 37 | 37 | 38 | 40 | 43 | 46 | 48 | 49 | 51 | 51 | 50 | 50 | 48 | 45 | 43 | 42 | 41 | 40 | 39 |
| State of weather. Nature of precipitation and time of beginning and ending | | | | | | | | | | | | | | | | | | | | | | | | R 18 11:30 |
| Amounts of precipitation | | | | | | | | | | | | | | | | | | | | | | | | — |
| Cloudiness and other conditions | | | | | | ← Clear | | | | | | × Pt Cldy | | | | | × Clear | | Ci Cldy | × Cloudy → | | | | |
| | | | | | | | Ci + Ac | | | | | Ci + Ci Cu | | | | | | | Ci | | | | | |
| Sunshine (in tenths of hours) | | | | | | | .27 0 | 1.0 0 | 0.5 0.5 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 0.9 | 0.9 0.1 | .25 0 | | | | | | | |
| Wind direction | W | W | W | W | W | W | W | W | W | W | W | SW | W | SW | SW | SW | SW | SW | SW | S | E | E | E | E |
| Wind movement | 11 | 10 | 10 | 9 | 9 | 8 | 7 | 8 | 8 | 7 | 8 | 9 | 9 | 7 | 6 | 6 | 3 | 3 | 6 | 7 | 7 | 8 | 7 | 8 |
| Maximum velocities (exceeding 24 miles) direction and time | | | | | | | | | | | | | | | | | | | | | | | | |

Sunrise: Time, 6:44 Character, Clear
Moonrise:
Sunset: Time, 4:15 Character, Clear
Moonset:

Wind data corrected to true velocity.

Excessive precipitation, accumulated amounts

| Total duration. From— | To— | Total amount of precipitation. | Excessive rate. Began— | Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | | | | | |

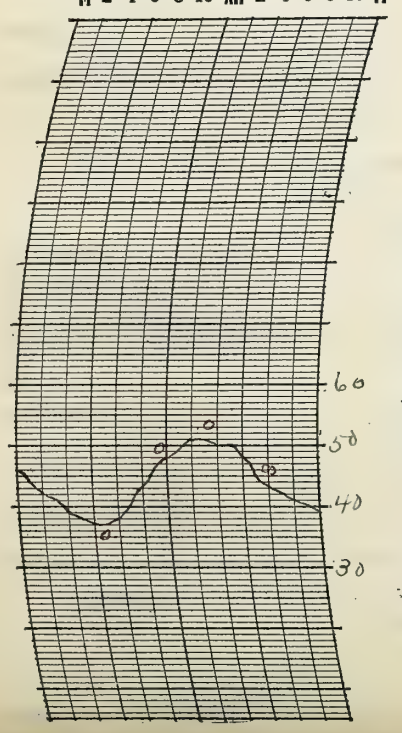
| Maximum Temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 51 | 37 | 44 | |

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, T inches.
Character of day, Clear Moon phase,
Average daily cloudiness (0-10), 3
Actual sunshine, hours, 9.4 Possible sunshine, hours, 9.5
Per cent of possible sunshine, 99
Prevailing wind direction, W Total wind, 181
Average hourly velocity, 7.5 Extreme velocity, 15
Maximum velocity, 15 Direction, W
Time began, 12:03 a.m
Reduced barometer, 29.98 7 a. m. 30.14 7 p. m.
River gage, 0.6 Feet
Relative humidity, 73 7 a. m. 52 7 p. m.

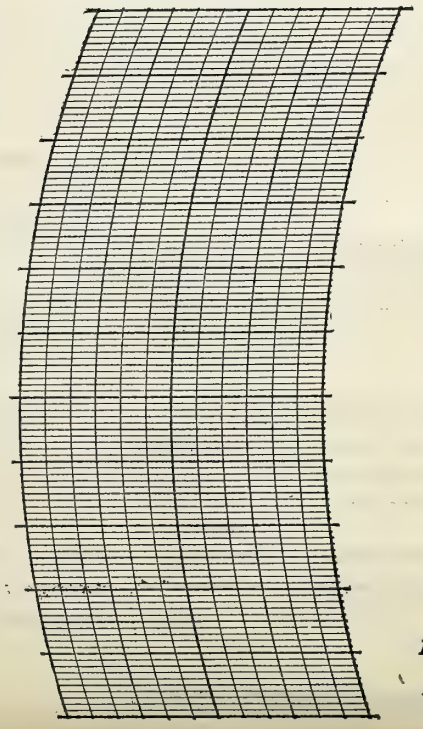
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 48.0 Wet temperature, 39.3
Dew-point, 28 R. humidity, 44 V. pressure, 30.150
Clouds: Amount, 2/5; Kind, Ci Cu Direction, W
Velocity of clouds (miles per hour)

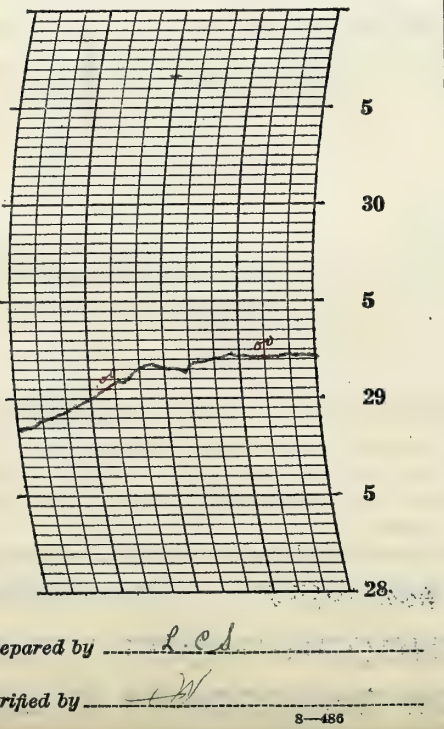
THERMOGRAPH




THERMOGRAPH




BAROGRAPH.




Prepared by L C S

Verified by

8—486

## NOTES

a Very fast Lunar Halo was observed at 9:30 PM
a fast Solar Halo was observed from 2:30 PM to 3:05 PM
Light local smoke was observed in P.M.
Flying conditions were excellent all day.

Form No. 1014—Met'l

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

Form No. 1014—Met'1

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(Station) ~~Fort Wayne, Ind.~~, (Day of week) Wednesday, (Date) NOV 29 1933, 193

Time (local standard) 90 mer. normal time.

| | A.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 | P.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Temperature at end of hour | 39 | 40 | 40 | 42 | 45 | 55 | 55 | 57 | 58 | 60 | 62 | 62 | 60 | 62 | 64 | 63 | 62 | 62 | 62 | 62 | 62 | 61 | 62 | 61 |
| State of weather. Nature of precipitation and time of beginning and ending | | | | RE D.NA | | | * | RB 7:10 RE 7:40 | | | | RB 11:50 | RE 12:15 RB 12:40 RE 12:55 | | | | | | | | | | | RB 11:10 RE 11:30 |
| Amounts of precipitation | — | — | — | — | | | | T | | | | T | T | | | | | | | | | | | .10 |
| Cloudiness and other conditions | | | | | | | Cloudy | | | | Pt Cloudy | | | | Cloudy | | | | | | | | | |
| | | | | | | | a Cu & St Cu | | | | | a Cu & Cu | | | | | | | St Cu | | | | | |
| Sunshine (in tenths of hours) | | | | | | | 0 | 0 | 0 | 0.4 | 0.9 | 0.4 | 0 | 0.2 | 0 | 0 | 0 | | | | | | | |
| Wind direction | E | E | E | E | E | S | S | SW | SW | SW | SW | SW | SW | SW | SW | SW | SW | SW | SW | SW | SW | SW | SW | W |
| Wind movement | 6 | 5 | 5 | 6 | 7 | 11 | 14 | 16 | 18 | 19 | 20 | 21 | 18 | 17 | 16 | 16 | 17 | 17 | 18 | 21 | 19 | 24 | 23 | 19 |
| Maximum velocities (exceeding 24 miles) direction and time | | | | | | | | | | | | | | | | | | | | | | 26 SW 9:19 | | |

Sunrise: Time 6:45, Character Cloudy. Moonrise:

Sunset: Time 4:14, Character Cloudy. Moonset:

Wind data corrected to true velocity.

| Total duration. From— | To— | Total amount of precipitation. | Excessive rate. Began— | Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | | | | | |

Excessive precipitation, accumulated amounts

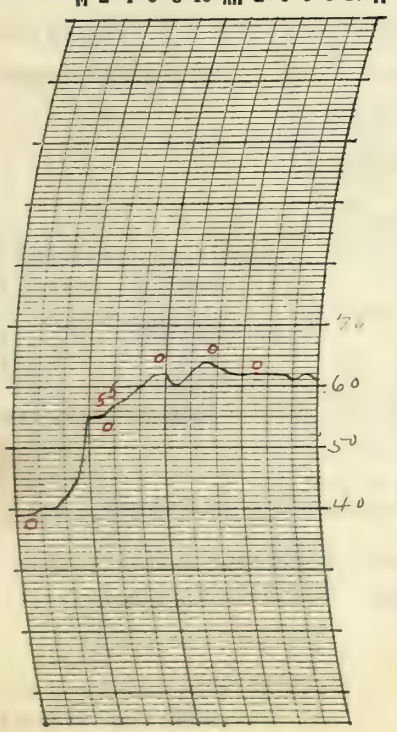
| Maximum Temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 64 | 39 | 52 | |

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., T ins.; to 7 p. m., T ins.
Total precipitation, midnight to midnight, 0.10 inches.
Character of day, Cloudy Moon phase,
Average daily cloudiness (0-10), 9
Actual sunshine, hours, 1.9 Possible sunshine, hours, 9.5
Per cent of possible sunshine, 20
Prevailing wind direction, SW Total wind, 373
Average hourly velocity, 15.5 Extreme velocity, 30
Maximum velocity, 26 Direction, SW
Time began, 9:19 PM
Reduced barometer, 30.08 7 a. m. 29.93 7 p. m.
River gage, 0.6 feet
Relative humidity, 76 7 a. m. 66 7 p. m.

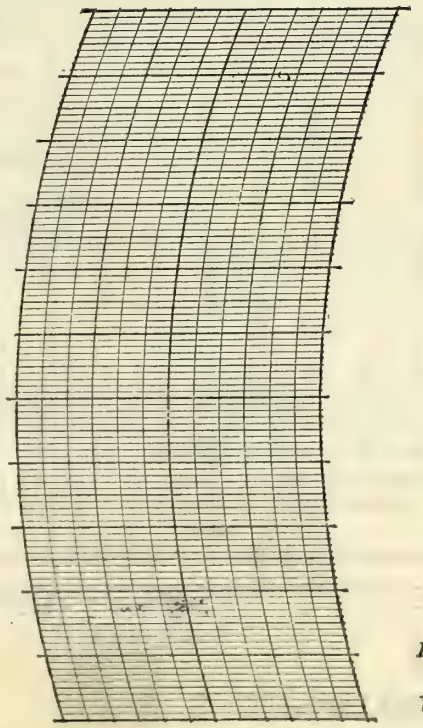
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 62.3 Wet temperature, 56.3
Dew-point, 52 R. humidity, 69 V. pressure, .387
Clouds: Amount, 2/10; Kind, Cu; Direction, SW
Velocity of clouds (miles per hour)

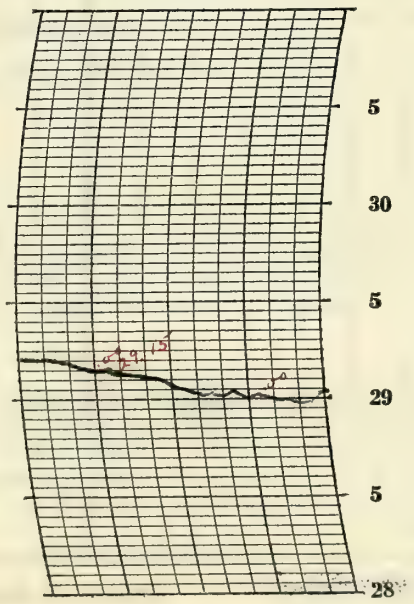
THERMOGRAPH




THERMOGRAPH




BAROGRAPH.




Prepared by L. C. A.

Verified by W

8—486

## NOTES

* IB in 6:40 a.m.
a bright lunar halo was observed at 9:30 P.M.
a light thunderstorm occurred just before midnight. Thunder first heard at 11:15 PM and last heard at 11:30 P.M. No damages was reported.
Flying conditions were good all day.

Form No. 1014—Met'l

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

Thanksgiving Day

(Station) Fort Wayne, Ind., (Day of week) Thursday, (Date) NOV 30 1933, 193

Time (local standard) 90 mer. normal time.

| | A.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 | P.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Temperature at end of hour (61) | 60 | 60 | 57 | 50 | 46 | 44 | 42 | 42 | 44 | 44 | 46 | 48 | 48 | 49 | 49 | 48 | 46 | 45 | 43 | 41 | 41 | 41 | 40 | 40 |
| State of weather: Nature of precipitation and time of beginning and ending | | | | | | | | | | | | | | | | | | | | | | | | |
| Amounts of precipitation | | | | | | | | | | | | | | | | | | | | | | | | |
| Cloudiness and other conditions | | | | | | ← | | | | | | Clear | | | | | | | | | → | | | |
| Sunrise: Time, Character, 6:46 Clear / Moonrise: | | | | | | | | | | | | | | | | | | | | | Sunset: Time, Character, 4:14 Clear / Moonset: | | | |
| Sunshine (in tenths of hours) | | | | | | | .23 0 | 1.0 0 | 0.4 0.6 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 0.7 0.3 | .23 0 | | | | | | | |
| Wind direction | W | W | W | W | NW | W | W | W | W | NW | NW | NW | NW | NW | NW | W | W | W | W | W | W | W | W | NW |
| Wind movement | 16 | 16 | 18 | 18 | 13 | 12 | 11 | 10 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 10 | 7 | 8 | 8 | 8 | 9 | 10 | 10 | 9 |
| Maximum velocities (exceeding 24 miles) direction and time | | | | | | | | | | | | | | | | | | | | | | | | |

Wind data corrected to true velocity.

| Total duration. From— | To— | Total amount of precipitation. | Excessive rate. Began— | Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | | | | | |

Excessive precipitation, accumulated amounts

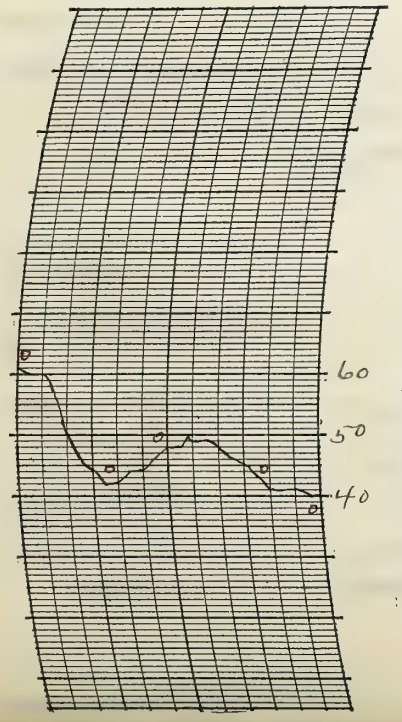
| Maximum Temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 61 | 40 | 50 | |

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0.10 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Clear Moon phase,
Average daily cloudiness (0–10), Few
Actual sunshine, hours, 9.5 Possible sunshine, hours, 9.5
Per cent of possible sunshine, 100
Prevailing wind direction, W Total wind, 277
Average hourly velocity, 11.5 Extreme velocity, 24
Maximum velocity, 21 Direction, W
Time began, 2:23 a.m.
Reduced barometer, 30.127 a. m. 30.297 p. m.
River gage, 0.5 feet
Relative humidity, 71 7 a. m. 52 7 p. m.

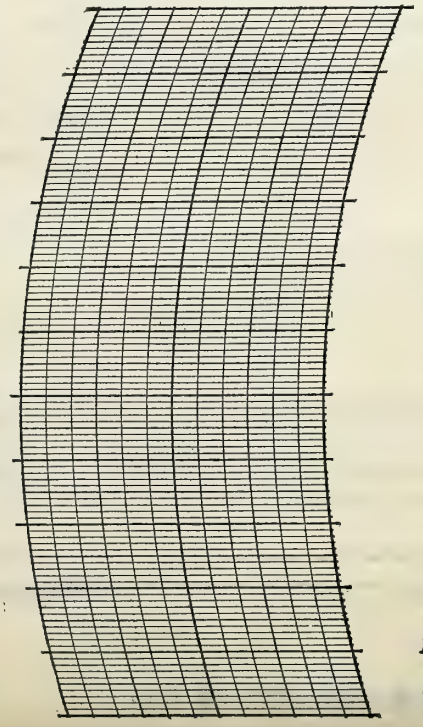
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 47.8 Wet temperature, 37.8
Dew-point, 30 R. humidity, 48 V. pressure, .164
Clouds: Amount, 0; Kind, 0; Direction, 0
Velocity of clouds (miles per hour)

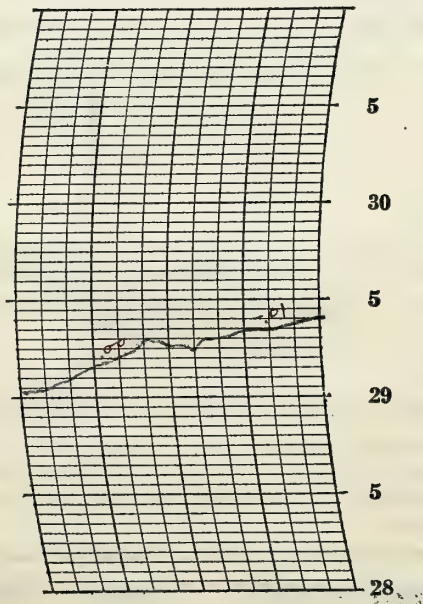
THERMOGRAPH




THERMOGRAPH




BAROGRAPH.




Prepared by L. C. S.

Verified by

8—486

## NOTES

Flying conditions were excellent all day

Form No. 1014—Met'l

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Friday, (Date) DEC 1 1933, 193

| Maximum Temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 41 | 32 | 36 | |

Time (local standard) 90 mer. normal time.

| | A.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 | P.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Temperature at end of hour (40) | 39 | 38 | 38 | 36 | 34 | 33 (32) | 33 | 34 | 36 | 38 | 38 | 40 | 41 | 40 | 40 | 39 | 38 | 37 | 36 | 35 | 35 | 34 | 33 | 34 |
| State of weather. Nature of precipitation and time of beginning and ending | | | | | | | Clear | | | | P+Cloudy | | | | | | | | Cloudy | | | | | |
| Amounts of precipitation | | | | | | | | | | | | | | | | | | | | | | | | |
| Cloudiness and other conditions | | | | | | | ci | | | | ci+ | ci st | | | | | | | acu st+cu | | | | | |
| Sunshine (in tenths of hours) | | | | | | | .22 0 | 1.0 0 | 1.0 0 | 0.6 | 0.6 | 1.0 | 1.0 | 0 | 0 | 0 | 0 | | | | | | | |
| Wind direction | NW | NW | NW | NW | NW | NW | NW | NW | NW | NE | NE | NE | NE | NE | SE | E | E | E | E | SE | SE | E | E | SE |
| Wind movement | 8 | 6 | 6 | 3 | 4 | 3 | 2 | 3 | 5 | 8 | 8 | 7 | 6 | 6 | 7 | 6 | 6 | 5 | 9 | 7 | 7 | 5 | 6 | 5 |
| Maximum velocities (exceeding 24 miles) direction and time | | | | | | | | | | | | | | | | | | | | | | | | |

Sunrise: Time, 6:47 Character, Clear. Moonrise: ____ ____

Sunset: Time, 4:14 Character, Cloudy. Moonset: ____ ____

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, P+ Cloudy Moon phase, ____
Average daily cloudiness (0-10), 5
Actual sunshine, hours, 5.4 Possible sunshine, hours, 9.4
Per cent of possible sunshine, 57
Prevailing wind direction, NW Total wind, 138
Average hourly velocity, 5.8 Extreme velocity, 10
Maximum velocity, 20 Direction, NE
Time began, 9:03 am
Reduced barometer, 30.50 7 a. m. 30.47 7 p. m.
River gage, 0.5 feet
Relative humidity, 92 7 a. m. 58 7 p. m.

Wind data corrected to true velocity.

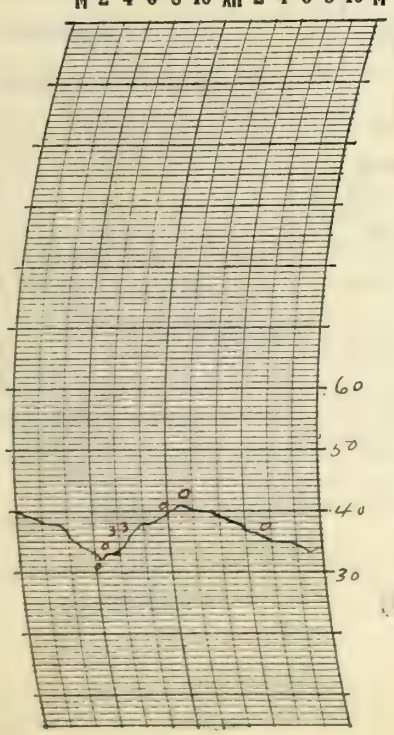
Excessive precipitation, accumulated amounts

| Total duration. From— | To— | Total amount of precipitation. | Excessive rate. Began— | Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | | | | | |

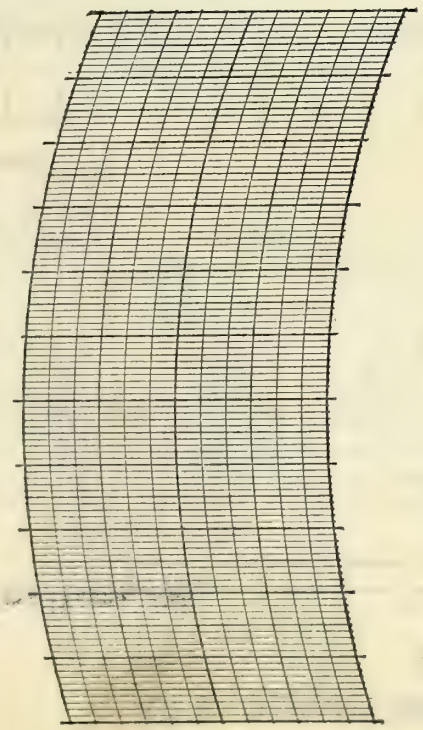
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 40.3 Wet temperature, 35.3
Dew-point, 28 R. humidity, 61 V. pressure, .150
Clouds: Amount, 5 2; Kind, ci ci st; Direction, W W
Velocity of clouds (miles per hour) ____

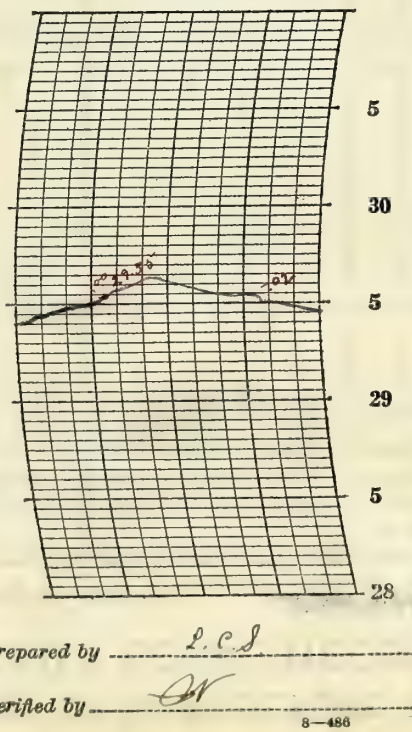
THERMOGRAPH




THERMOGRAPH




BAROGRAPH.




Prepared by L. C. S

Verified by [illegible]

8—486

## NOTES

Flying conditions were excellent all day.
Light local smoke six a m.
Solar upper part moderate and lower
light was observed at 2:15 P.M.

Form No. 1014—Met'l

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(Station) ~~Fort Wayne, Ind.~~, (Day of week) Saturday, (Date) DEC 2 1933, 193

Time (local standard) 90 mer. normal time.

| | A. M. | | | | | | | | | | | | P. M. | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 | 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 |
| Temperature at end of hour (34) | 35 | 35 | 36 | 37 | 38 | 38 | 40 | 40 | 44 | 46 | 47 | 48 | 50 | 50 | 49 | 48 | 47 | 48 | 49 | 50 | 50 | 50 | 50 | 52 |
| State of weather: Nature of precipitation and time of beginning and ending | | | | | | | RB 6:15 RE 6:20 | | | | RB 10:50 | RE 11:35 | | | | | | | | | RB 8:20 | | | R Cloudy |
| State of weather: Amounts of precipitation | | | | | | | T | | | | T | T | | | | | | | | | T | .01 | .02 | T |
| State of weather: Cloudiness and other conditions | | | | | | ← | | | | | | Cloudy | → | | | | | | | | | | | |
| | Sunrise: Time 6:48, Character Cloudy. Moonrise: | | | | | | St | St | St | Cu | | St | | | | | | | St | Cu | Sunset: Time 4:13, Character Cloudy. Moonset: | | | |
| Sunshine (in tenths of hours) | | | | | | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | | |
| Wind direction | SE | SE | SE | SE | SE | SE | SE | SE | SE | SE | SE | SE | SE | SE | E | E | E | E | SE | SE | SE | S | SE | SE |
| Wind movement | 4 | 5 | 5 | 6 | 6 | 6 | 6 | 6 | 6 | 8 | 4 | 5 | 7 | 9 | 8 | 10 | 9 | 8 | 9 | ? | ? | ? | 7 | 10 |
| Maximum velocities (exceeding 24 miles) direction and time | | | | | | | | | | | | | | | | | | | | | | | | |

Wind data corrected to true velocity.

| Total duration. From— | Total duration. To— | Total amount of precipitation. | Excessive rate. Began— | Excessive rate. Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | | | | | |

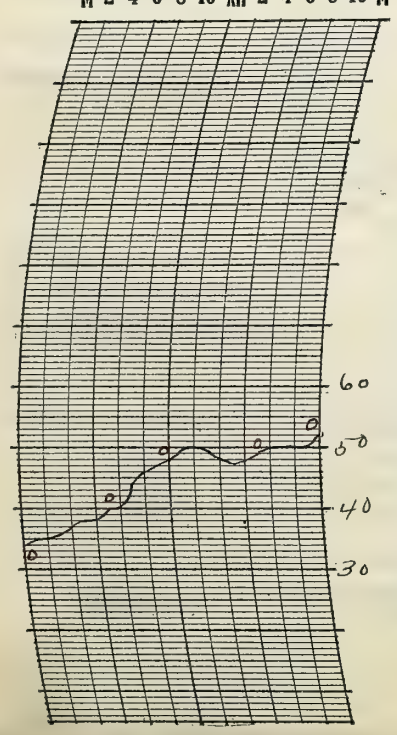
Excessive precipitation, accumulated amounts

| Maximum Temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 52 | 34 | 43 | |

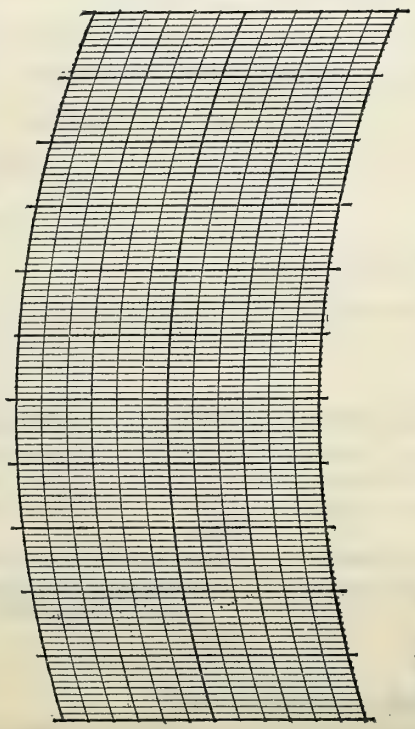
Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., T ins.; to 7 p. m., T ins.
Total precipitation, midnight to midnight, .03 inches.
Character of day, Cloudy Moon phase,
Average daily cloudiness (0-10), 9
Actual sunshine, hours, 0 Possible sunshine, hours, 9.4
Per cent of possible sunshine, 0
Prevailing wind direction, SE Total wind, 171
Average hourly velocity, 7.1 Extreme velocity, 12
Maximum velocity, 12 Direction, E
Time began, 3:25 P.M.
Reduced barometer, 30.27 7 a. m. 30.00 7 p. m.
River gage, 0.3 feet
Relative humidity, 68 7 a. m. 71 7 p. m.

OBSERVATIONS AT 12 NOON.
(Local Mean Time.)
Dry temperature, 47.9 Wet temperature, 42.4
Dew-point, 36 R. humidity, 63 V. pressure, .211
Clouds: Amount, 10; Kind, St; Direction, S
Velocity of clouds (miles per hour)

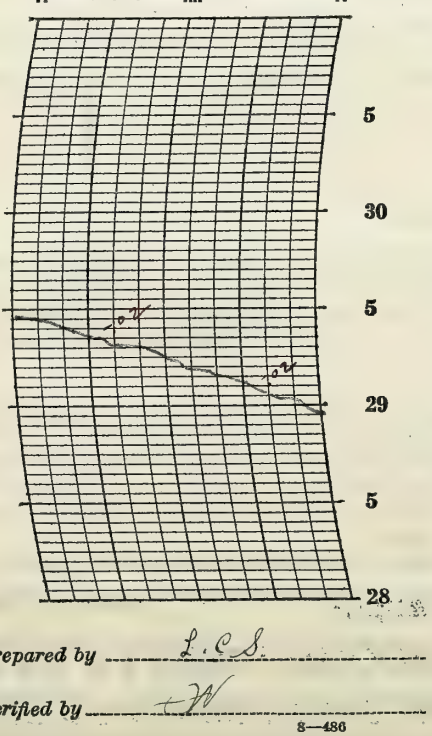
THERMOGRAPH




THERMOGRAPH




BAROGRAPH.




Prepared by L.C.S.

Verified by W

8—486

## NOTES

Light local smoke in a.m.
Flying conditions were good to excellent all day.

Form No. 1014—Met'l

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

Form No. 1014—Met'l

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Sunday, (Date) DEC 3 1933, 193

Time (local standard) 90 mer. normal time.

| | A.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 | P.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Temperature at end of hour (52) | 53 | 54 | 56 | 56 | 56 | 54 | 52 | 51 | 49 | 50 | 49 | 50 | 51 | 46 | 43 | 43 | 43 | 42 | 42 | 40 | 40 | 40 | 40 | 39 |
| State of weather. Nature of precipitation and time of beginning and ending | R Contd | | | | | | | | RE 8:25 | RB 9:25 RE 9:55 | | | | RB 1:25 | | | RE 4:20 | | | | | | | |
| Amounts of precipitation | T | T | T | T | T | .06 | .05 | .02 | T | T | | | | .02 | .03 | .03 | T | | | | | | | |
| Cloudiness and other conditions | | | | | | ← Cloudy | | | | | | × Pt cloudy | × Cloudy | | | | × Pt cloudy | × Clear | | | | | | |
| | | | | | | | St Cu | | | | | Acu + Cu | | | | | | | | | | | | |
| Sunrise: Time 6:49, Character Cloudy. Moonrise: | | | | | | | | | | | | | | | | | | | | | Sunset: Time 4:13, Character Cloudy. Moonset: | | | |
| Sunshine (in tenths of hours) | | | | | | | 0 | 0 | 0 | 0 | 0 | 0.4 | 0.3 | 0 | 0 | 0 | 0 | | | | | | | |
| Wind direction | SE | SE | S | S | S | S | SW | S | SW | SW | SW | SW | SW | SW | SW | W | SW | SW | SW | SW | SW | SW | SW | SW |
| Wind movement | 9 | 11 | 12 | 12 | 12 | 13 | 8 | 8 | 12 | 11 | 11 | 9 | 12 | 12 | 11 | 9 | 5 | 6 | 7 | 7 | 7 | 5 | 6 | 7 |
| Maximum velocities (exceeding 24 miles) direction and time | | | | | | | | | | | | | | | | | | | | | | | | |

Wind data corrected to true velocity.

| Excessive precipitation, accumulated amounts | Total duration. From— | To— | Total amount of precipitation. | Excessive rate. Began— | Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | | | | | | |

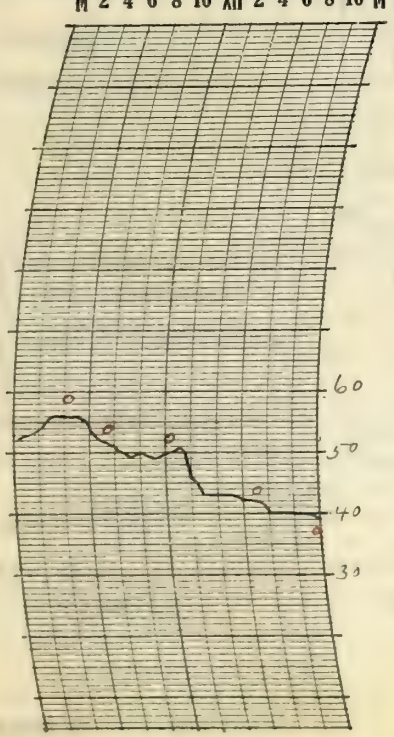
| Maximum Temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 56 | 39 | 48 | |

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0.14 ins.; to 7 p. m., 0.10 ins.
Total precipitation, midnight to midnight, 0.21 inches.
Character of day, Cloudy Moon phase,
Average daily cloudiness (0-10), 9
Actual sunshine, hours, 0.7 Possible sunshine, hours, 9.4
Per cent of possible sunshine, 7
Prevailing wind direction, SW Total wind, 222
Average hourly velocity, 9.2 Extreme velocity, 17
Maximum velocity, 16 Direction, W
Time began, 2:47 p m
Reduced barometer, 29.65 7 a. m. 29.67 7 p. m.
River gage, 0.4 feet
Relative humidity, 87 7 a. m. 92 7 p. m.

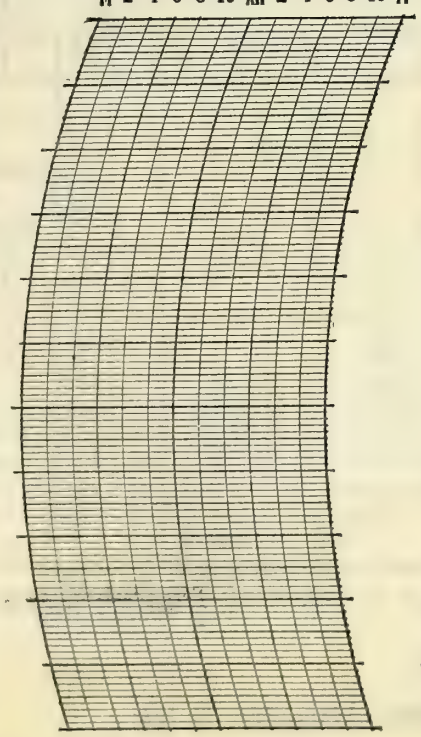
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 50.1 Wet temperature, 47.1
Dew-point, 44 R. humidity, 81 V. pressure, .287
Clouds: Amount, 3 (3 tenths); Kind, Cu (Cumulus); Direction, S (S)
Velocity of clouds (miles per hour)

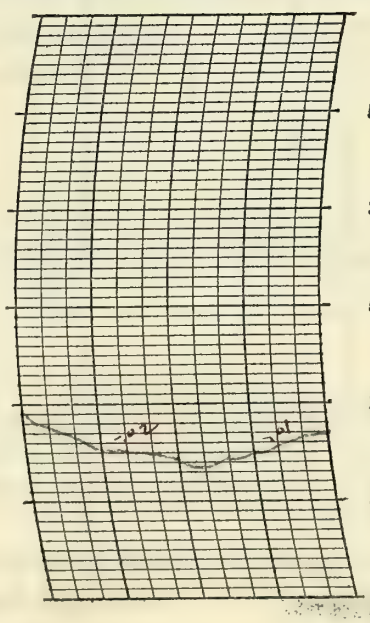
THERMOGRAPH




THERMOGRAPH




BAROGRAPH.




Prepared by P. C. L.

Verified by

8—486

## NOTES

Flying conditions were good all day. Light fog began late at night

a. m. Observation was taken late this morning (at 8:40 a.m CST) by P. A. Lucas See observation page for observation corrections to 6:40 a.m.

Form No. 1014—Met'l

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

# DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Monday, (Date) DEC 4 1933, 193

Time (local standard) 90 mer. normal time.

| | A.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 | P.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Temperature at end of hour | 39 42 | 44 | 44 | 44 | 44 | 45 | 46 | 46 | 46 | 46 | 46 | 47 | 47 | 47 | 48 | 48 | 47 | 46 | 46 | 46 | 46 | 46 | 46 | 47 |
| State of weather. Nature of precipitation and time of beginning and ending | | | | RB DNH RE DNH | | | | | | RB 9:35 RE 9:50 | | | | | | | | | | | | | | |
| Amounts of precipitation | | | | T | | | | | | T | | | | | | | | | | | | | | |
| Cloudiness and other conditions | | | | | | | ← Cloudy | | | | | Cloudy → | | | Pt Cldy | * Clear | | | → Pt Cldy | | | → | | |
| | | | | | | | St | | | | | St Cu | | | | | | | St | | | | | |
| Sunshine (in tenths of hours) | | | | | | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | | |
| Wind direction | SW | W | W | W | W | W | W | SW | SW | SW | SW | SW | SW | SW | S | SW | S | S | SE | SE | S | S | S | S |
| Wind movement | 8 | 9 | 9 | 10 | 8 | 8 | 9 | 8 | 9 | 11 | 11 | 12 | 13 | 12 | 10 | 12 | 9 | 8 | 9 | 10 | 9 | 9 | 9 | 9 |
| Maximum velocities (exceeding 24 miles) direction and time | | | | | | | | | | | | | | | | | | | | | | | | |

Sunrise: Time, 6:50 Character, Cloudy
Moonrise:

Sunset: Time, 4:13 Character, Cloudy
Moonset:

Wind data corrected to true velocity.

| | Total duration. From— | To— | Total amount of precipitation. | Excessive rate. Began— | Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Excessive precipitation, accumulated amounts | | | | | | | | | | | | | | | | | | | | |

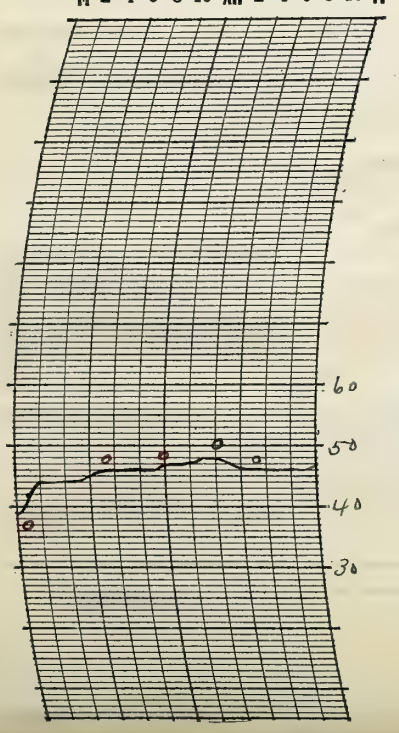
| Maximum Temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 48 | 39 | 44 | |

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., T ins.; to 7 p. m., T ins.
Total precipitation, midnight to midnight, T inches.
Character of day, Cloudy Moon phase,
Average daily cloudiness (0-10), 9
Actual sunshine, hours, 0 Possible sunshine, hours, 9.4
Per cent of possible sunshine, 0
Prevailing wind direction, SW Total wind, 231
Average hourly velocity, 9.6 Extreme velocity, 17
Maximum velocity, 16 Direction, SW
Time began, 12:20 P.M.
Reduced barometer, 29.90 7 a. m. 29.85 7 p. m.
River gage, 0.6 feet
Relative humidity, 93 7 a. m. 93 7 p. m.

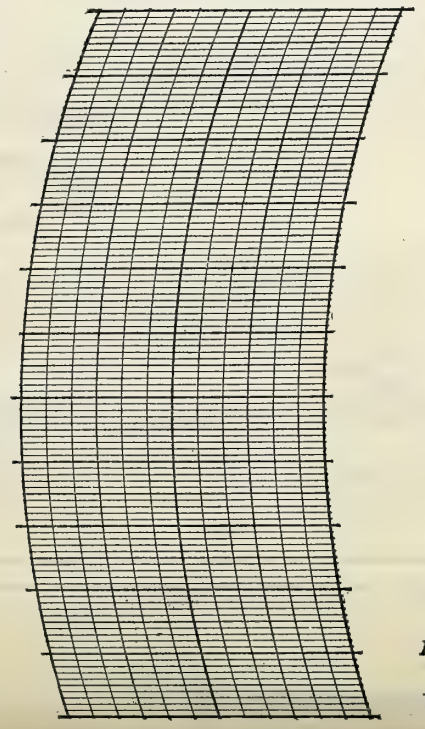
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 47.0 Wet temperature, 45.0
Dew-point, 43 R. humidity, 86 V. pressure, .277
Clouds: Amount, 10; Kind, St Cu Direction, SW
Velocity of clouds (miles per hour)

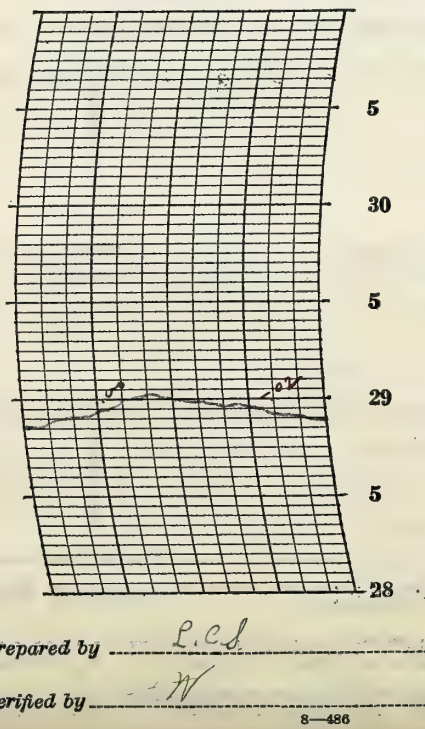
THERMOGRAPH




THERMOGRAPH




BAROGRAPH.




Prepared by L.C.S

Verified by W

8—486

## NOTES

Flying conditions were poor all day as result of light to heavy fog. Dense fog during morning somewhat impaired vision for driving.

Form No. 1014—Met'l

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU

Form No. 1014—Met'l

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Tuesday, (Date) DEC 5 1933, 193

Time (local standard) 90 mer. normal time.

| | A.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 | P.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Temperature at end of hour 47 | 47 | 48 | 48 | 47 | 46 | 45 | 45 | 45 | 46 | 47 | 46 | 46 | 46 | 46 | 46 | 46 | 46 | 46 | 45 RB 6:25 | 44 | 42 | 41 RE DNP | 40 | 39 |
| State of weather: Nature of precipitation and time of beginning and ending | | | | | | | | | | | | | | | | | | | | | | | | |
| Amounts of precipitation | | | | | | | | | | | | | | | | | | | I | T | T | T | | |
| Cloudiness and other conditions | | | | | | ← | | | | | | Cloudy | → | | | | | | | | | | | |
| | Sunrise: Time, 6:51 Character, Cloudy Moonrise: | | | | | | Ci+Ci | St | | | | St | | | | | | | St | | | Sunset: Time, 4:13 Character, Cloudy Moonset: | | | |
| Sunshine (in tenths of hours) | | | | | | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | | |
| Wind direction | S | S | S | SW | SW | SW | SW | SW | SW | SW | N | N | N | N | N | NE | NW | NW | NW | NW | N | NW | NW | NW |
| Wind movement | 9 | 9 | 9 | 9 | 8 | 7 | 7 | 7 | 6 | 6 | 9 | 7 | 7 | 5 | 6 | 6 | 8 | 7 | 8 | 10 | 12 | 11 | 12 | 9 |
| Maximum velocities (exceeding 24 miles) direction and time | | | | | | | | | | | | | | | | | | | | | | | | |

Wind data corrected to true velocity.

| | Total duration. From— | To— | Total amount of precipitation. | Excessive rate. Began— | Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Excessive precipitation, accumulated amounts | | | | | | | | | | | | | | | | | | | | |

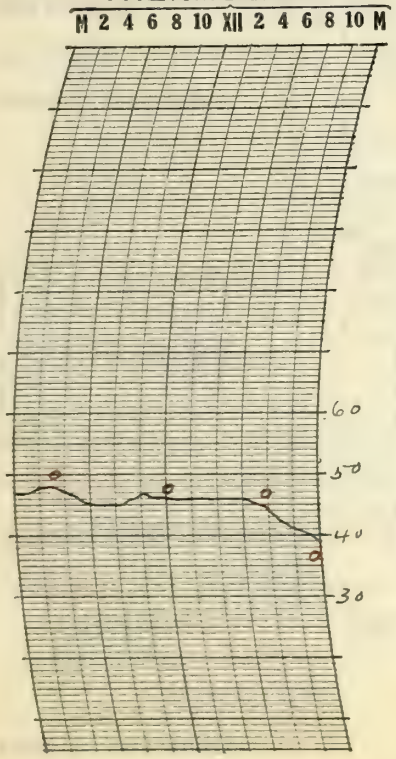
| Maximum Temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 48 | 39 | 44 | |

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., T ins.
Total precipitation, midnight to midnight, T inches.
Character of day, Cloudy Moon phase,
Average daily cloudiness (0-10), 9
Actual sunshine, hours, 0 Possible sunshine, hours, 9.4
Per cent of possible sunshine, 0
Prevailing wind direction, SW+NW Total wind, 194
Average hourly velocity, 8.1 Extreme velocity, 15
Maximum velocity, 15 Direction, NW
Time began, 10:13 P.M.,
Reduced barometer, 29.82 7 a. m. 29.85 7 p. m.
River gage, 0.6 feet
Relative humidity, 85 7 a. m. 95 7 p. m.

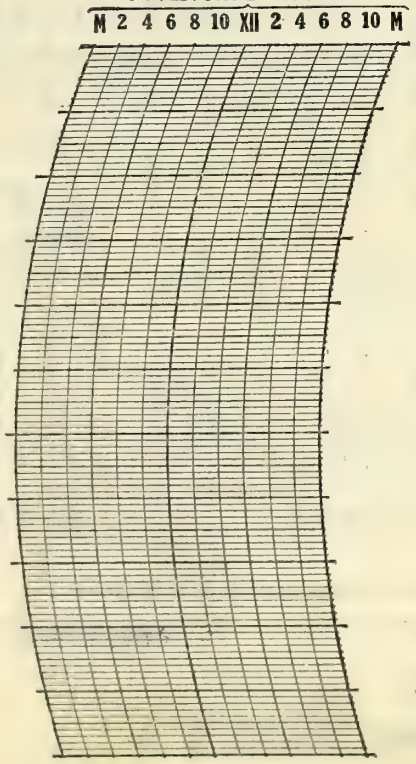
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 46.0 Wet temperature, 44.9
Dew-point, 44 R. humidity, 92 V. pressure, 29.87
Clouds: Amount, 10 10; Kind, St St Direction, N
Velocity of clouds (miles per hour)

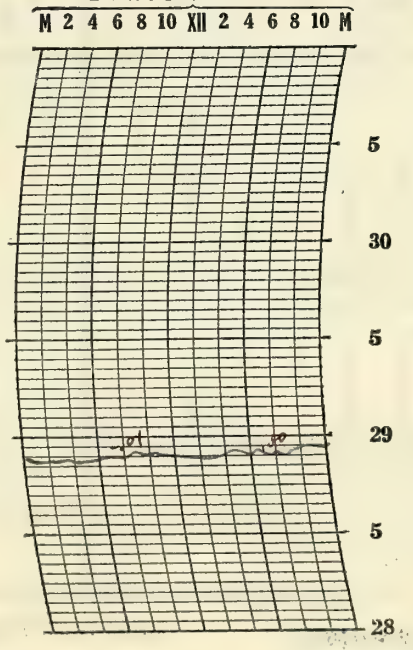
THERMOGRAPH




THERMOGRAPH




BAROGRAPH.




Prepared by L.C.S

Verified by

8—486

## NOTES

Light fog from 12:15 P to D.N.P. Flying conditions were poor all day.

Very faint lunar halo two hours before dawn.

Hazy and light local smoke in early morning hours.

Form No. 1014—Met'l

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Wednesday, (Date) DEC 6 1933, 193

Time (local standard) 90 mer. normal time.

| | A.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 | P.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Temperature at end of hour (39) | 38 | 38 | 38 | 38 | 37 | 36 | 34 | 34 | 34 | 35 | 35 | 35 | 36 | 35 | 36 | 36 | 35 | 34 | 32 | 31 | 30 | 29 | 28 | 27 |
| State of weather. Nature of precipitation and time of beginning and ending | | | | | | | | | | | | | | | | | | | | | | | | |
| Amounts of precipitation | | | | | | | | | | | | | | | | | | | | | | | | |
| Cloudiness and other conditions | | | | | | ← | | | | | | Cloudy | | | | | Cloudy | * | Clear | → | | | | |
| | Sunrise: Time, 6:52 Character, Cloudy Moonrise: | | | | | | St | | | | | St Cu | | | | | | | | | Sunset: Time, 4:13 Character, Cloudy Moonset: | | | |
| Sunshine (in tenths of hours) | | | | | | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | | |
| Wind direction | NW | NW | NW | NW | NW | NW | NW | NW | N | N | NW | NW | NW | N | N | NW | NW | NW | NW | NW | NW | W | SW | SW |
| Wind movement | 8 | 11 | 9 | 11 | 13 | 12 | 12 | 10 | 10 | 9 | 8 | 9 | 9 | 6 | 6 | 9 | 7 | 6 | 6 | 7 | 7 | 8 | 8 | 9 |
| Maximum velocities (exceeding 24 miles) direction and time | | | | | | | | | | | | | | | | | | | | | | | | |

Wind data corrected to true velocity.

| Excessive precipitation, accumulated amounts | Total duration. From— | To— | Total amount of precipitation. | Excessive rate. Began— | Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | | | | | | |

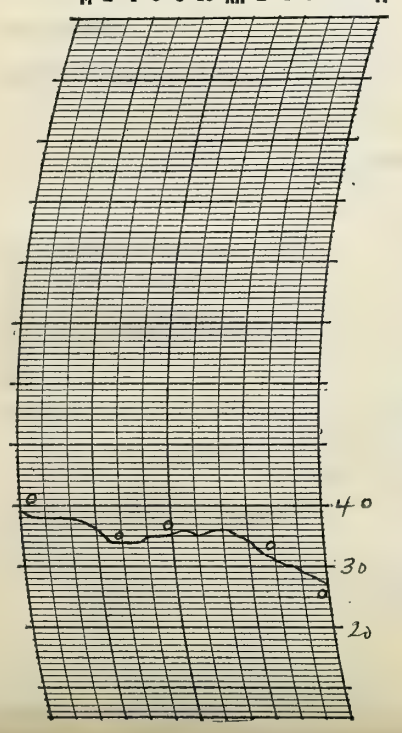
| Maximum Temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 39 | 27 | 33 | |

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., T ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Cloudy Moon phase,
Average daily cloudiness (0-10), 9
Actual sunshine, hours, 0 Possible sunshine, hours, 9.4
Per cent of possible sunshine, 0
Prevailing wind direction, NW Total wind, 210
Average hourly velocity, 8.8 Extreme velocity, 15
Maximum velocity, 15 Direction, NW
Time began, 4:35 a m.
Reduced barometer, 29.99 7 a. m. 29.99 7 p. m.
River gage, 0.5 feet
Relative humidity, 73 7 a. m. 79 7 p. m.

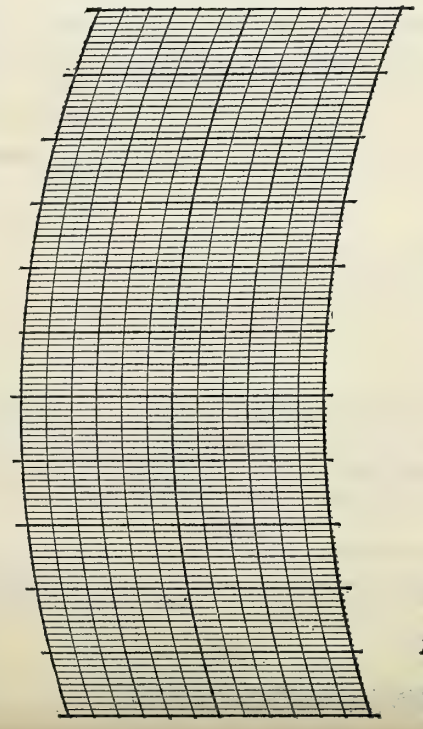
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 35.0 Wet temperature, 31.0
Dew-point, 25 R. humidity, 64 V. pressure, 130
Clouds: Amount, 10; Kind, St Cu; Direction, NW
Velocity of clouds (miles per hour)

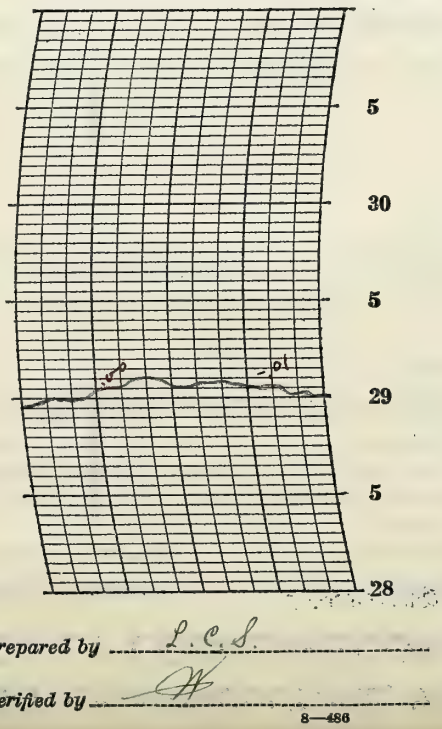
THERMOGRAPH




THERMOGRAPH




BAROGRAPH.




Prepared by L. C. S.

Verified by

8—486

## NOTES

Flying conditions good all day.
I.B. removed at P.M. Observation

Form No. 1014—Met'l

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU

Form No. 1014—Met'1

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Thursday, (Date) DEC 7 1933, 193

Time (local standard) 90 mer. normal time.

| | A.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 | P.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Temperature at end of hour 27 | 26 | 28 | 29 | 29 | 29 | 29 | 29 | 30 | 31 | 35 | 37 | 40 | 41 | 43 | 45 | 43 | 42 | 41 | 40 | 39 | 38 | 38 | 37 | 37 |
| State of weather: Nature of precipitation and time of beginning and ending | | | | | | | | | | | | | | | | | | | | | | | | |
| Amounts of precipitation | | | | | | | | | | | | | | | | | | | | | | | | |
| Cloudiness and other conditions | | | | | | + Clear | x Cy | x Cldy | x Pt Cy | x Clear | | | x Pt Cloudy | | | | | x Clear | | | | | | |
| | | | | | | | a Cu | | | | Ci St | | | | | | | | | | | | | |
| Sunshine (in tenths of hours) | | | | | | | 0 | 0 | 0 | 0.4 | 1.0 | 1.0 | 1.0 | 1.0 | 0.9 | 0 | 0 | | | | | | | |
| Wind direction | SW | SW | SW | SW | SW | SW | SW | SW | SW | SW | SW | SW | SW | SW | SW | SW | SW | SW | S | S | SW | SW | SW | SW |
| Wind movement | 9 | 12 | 12 | 10 | 10 | 10 | 12 | 12 | 13 | 14 | 16 | 15 | 15 | 15 | 15 | 14 | 11 | 9 | 6 | 6 | 7 | 8 | 8 | 9 |
| Maximum velocities (exceeding 24 miles) direction and time | | | | | | | | | | | | | | | | | | | | | | | | |

Sunrise: Time, 6:53 Character, Cloudy. Moonrise: ____ ____

Sunset: Time, 4:13 Character, Cloudy. Moonset: ____ ____

Wind data corrected to true velocity.

| Total duration. From— | To— | Total amount of precipitation. | Excessive rate. Began— | Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | | | | | |

Excessive precipitation, accumulated amounts

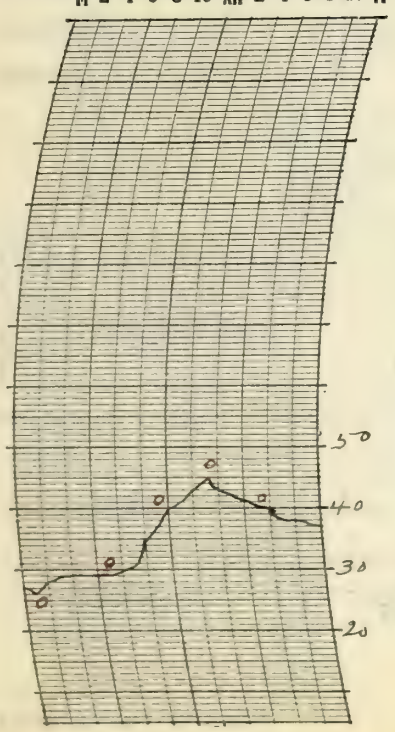
| Maximum Temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 45 | 26 | 36 | |

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Pt Cloudy Moon phase, ____
Average daily cloudiness (0-10), 5
Actual sunshine, hours, 5.3 Possible sunshine, hours, 9.3
Per cent of possible sunshine, 57
Prevailing wind direction, SW Total wind, 268
Average hourly velocity, 11.2 Extreme velocity, 20
Maximum velocity, 18 Direction, SW
Time began, 10:38 am
Reduced barometer, 29.88 7 a. m. 29.84 7 p. m.
River gage, 0.4 feet
Relative humidity, 89 7 a. m. 62 7 p. m.

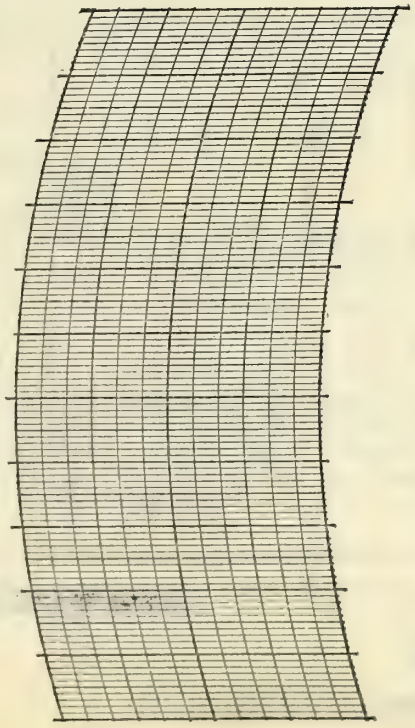
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 40.3 Wet temperature, 34.8
Dew-point, 27 R. humidity, 57 V. pressure, .143
Clouds: Amount, 1; Kind, Ci St; Direction, P
Velocity of clouds (miles per hour)

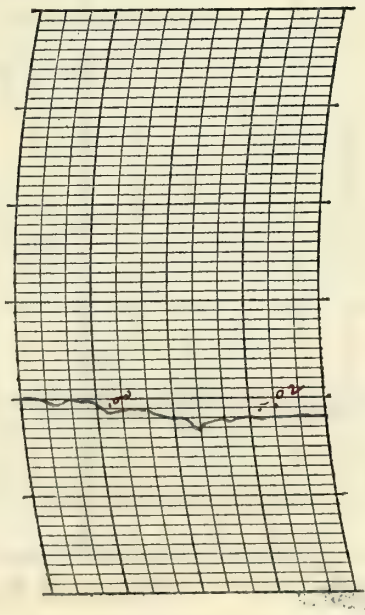
THERMOGRAPH




THERMOGRAPH




BAROGRAPH.




Prepared by L.C.S.

Verified by ____

8—486

## NOTES

Slight lying Conditions were excellent all day

Form No. 1014—Met'l

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Friday, (Date) DEC 8 1933, 193

Time (local standard) 90 mer. normal time.

| | A.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 | P.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Temperature at end of hour (37) | 36 | 34 | 34 | 34 | 33 | 32 | 31 | 31 | 35 | 35 | 33 | 32 | 30 | 29 | 28 | 28 | 28 | 26 | 26 | 24 | 23 | 23 | 22 | 21 |
| State of weather: Nature of precipitation and time of beginning and ending | | | | | | | | | | | | | SMB 12:15 | | SME 2:30 | | | | | | | | | |
| Amounts of precipitation | | | | | | | | | | | | | – | – | – | | | | | | | | | |
| Cloudiness and other conditions | | | | | | clear | | * | * | | | cloudy | | | | | | | | | | | | |
| Sunshine (in tenths of hours) | | | | | | | .1 0 | 1.0 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | | |
| Wind direction | SW | SW | SW | SW | SW | SW | SW | SW | NW | N | N | N | N | N | NW | N | NW | NW | NW | N | N | N | NE | N |
| Wind movement | 8 | 8 | 7 | 7 | 6 | 4 | 6 | 6 | 10 | 12 | 13 | 14 | 13 | 11 | 12 | 10 | 11 | 12 | 10 | 10 | 9 | 9 | 8 | 7 |
| Maximum velocities (exceeding 24 miles) direction and time | | | | | | | | | | | | | | | | | | | | | | | | |

Sunrise: Time 6:54, Character Clear. Moonrise: 8:00. Sunset: Time 4:13, Character Cloudy. Moonset:

Wind data corrected to true velocity.

| Total duration. From— | To— | Total amount of precipitation. | Excessive rate. Began— | Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | | | | | |

Excessive precipitation, accumulated amounts

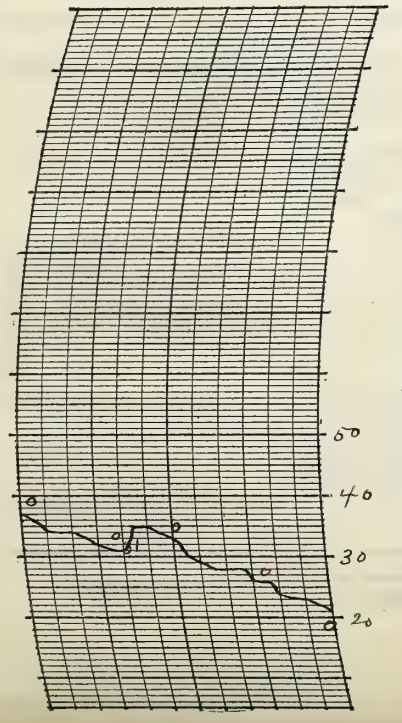
| Maximum Temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 37 | 21 | 29 | |

Total depth of snow for 24 hours ending 7 p. m., T inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, T inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., T ins.
Total precipitation, midnight to midnight, T inches.
Character of day, Cloudy Moon phase,
Average daily cloudiness (0-10), 9
Actual sunshine, hours, 1.1 Possible sunshine, hours, 9.3
Per cent of possible sunshine, 12
Prevailing wind direction, N Total wind, 223
Average hourly velocity, 9.3 Extreme velocity, 17
Maximum velocity, 17 Direction, N
Time began, 10:48 a.m.
Reduced barometer, 29.93 7a. m. 30.20 7p. m.
River gage, 0.4 feet
Relative humidity, 88 7a. m. 73 7p. m.

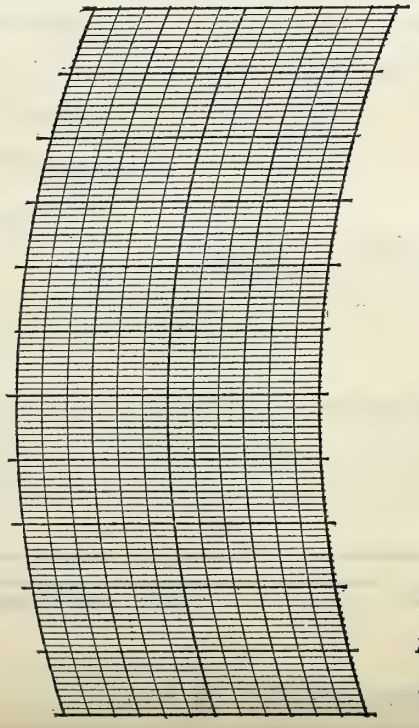
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 32.0 Wet temperature, 29.8
Dew-point, 27 R. humidity, 27 V. pressure, .143
Clouds: Amount, 10; Kind, St Cu; Direction, NW
Velocity of clouds (miles per hour)

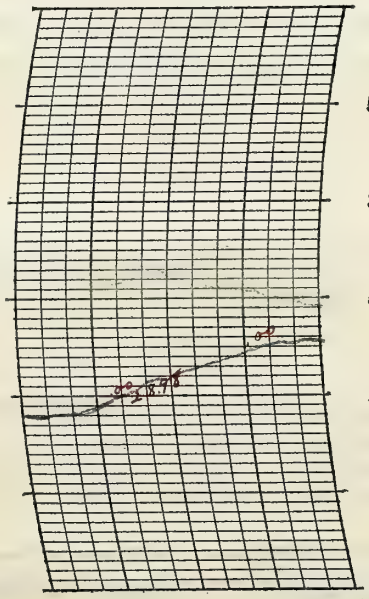
THERMOGRAPH




THERMOGRAPH




BAROGRAPH.




Prepared by L.C.S.

Verified by W

8—486

## NOTES

Flying conditions were good all day.

Form No. 1014—Met'l

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Saturday, (Date) DEC 9 1933, 193

Time (local standard) 90 mer. normal time.

| | A.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 | P.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Temperature at end of hour 21 | 20 | 19 | 18 | 18 | 17 | 17 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 23 | 24 | 25 | 25 | 25 | 26 | 26 | 26 | 26 | 26 | 26 |
| State of weather. Nature of precipitation and time of beginning and ending | | | | | | | | | | | | | | SDB 1:35 SDE 1:45 | | SDB 3:30 | SDE 4:30 | | | | | | | |
| Amounts of precipitation | | | | | | | | | | | | | | — | | — | — | | | | | | | |
| Cloudiness and other conditions | | | | | | ← | pt cldy | * | | | | Cloudy → | | | | | | | | | | | | |
| | Sunrise: Time, 6:55 Character, Clear Moonrise: | | | | to 7:30 | | d Ca & St Cu | | | | | St | | | | | | | St | | Sunset: Time, 4:13 Character, Cloudy Moonset: | | | |
| Sunshine (in tenths of hours) | | | | | | | .08 0 | 0.5 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | | |
| Wind direction | N | N | N | N | NE | NE | NE | NE | NE | E | E | E | SW | SW | SW | SW | SW | SW | SW | SW | SW | S | S | S |
| Wind movement | 5 | 6 | 6 | 7 | 7 | 4 | 4 | 4 | 6 | 4 | 6 | 6 | 7 | 7 | 7 | 6 | 5 | 5 | 6 | 6 | 7 | 7 | 7 | 9 |
| Maximum velocities (exceeding 24 miles) direction and time | | | | | | | | | | | | | | | | | | | | | | | | |

Wind data corrected to true velocity.

| | Total duration. From— | To— | Total amount of precipitation. | Excessive rate. Began— | Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Excessive precipitation, accumulated amounts | | | | | | | | | | | | | | | | | | | | |

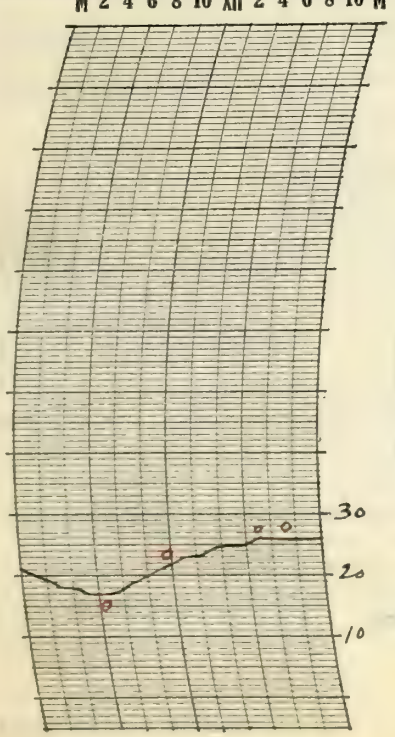
| Maximum Temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 26 | 17 | 22 | |

Total depth of snow for 24 hours ending 7 p. m., T inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, T inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., T ins.
Total precipitation, midnight to midnight, T inches.
Character of day, Cloudy Moon phase,
Average daily cloudiness (0-10), 9
Actual sunshine, hours, 0.6 Possible sunshine, hours, 9.3
Per cent of possible sunshine, 6
Prevailing wind direction, SW Total wind, 144
Average hourly velocity, 6.0 Extreme velocity, 11
Maximum velocity, 11 Direction, S
Time began, 11:34 P.m.
Reduced barometer, 30.31 7 a.m. 30.20 7 p.m.
River gage, 0.3 feet
Relative humidity, 80 7 a.m. 74 7 p.m.

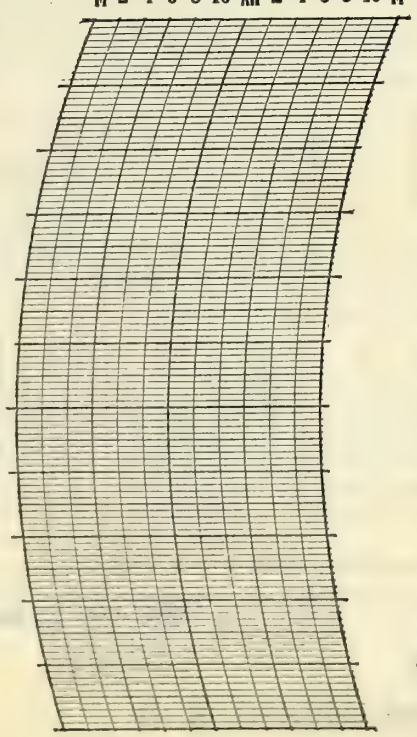
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 22.2 Wet temperature, 20.2
Dew-point, 15 R. humidity, 72 V. pressure, .081
Clouds: Amount, 10; Kind, St Ac Direction, NW
Velocity of clouds (miles per hour)

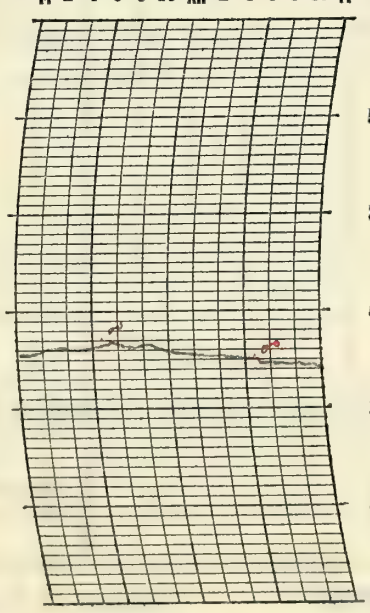
THERMOGRAPH




THERMOGRAPH




BAROGRAPH.




Prepared by L. C. J.

Verified by C. B. V.

8—486

## NOTES

Fr lying Cu ddstrous fair to good

Form No. 1014—Met'l

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Sunday, (Date) DEC 10 1933, 193

Time (local standard) 90 mer. normal time.

| | A.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 | P.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 26 Temperature at end of hour | 26 | 25 | 25 | 26 | 26 | 26 | 26 | 26 | 27 | 28 | 28 | 28 | 28 | 29 | 29 | 29 | 30 | 31 | 32 | 34 | 35 | 35 | 32 | 31 |
| State of weather. Nature of precipitation and time of beginning and ending | | | | | | | SOB 6:10 | SDE 8:00 | | | SMB 10:30 | | | | Heavy | | | SME 6:00 | | | | | | |
| Amounts of precipitation | | | | | | | — | — | | | — | — | — | — | — | — | — | — | | | | | | |
| Cloudiness and other conditions | | | | | | | | | | | | Cloudy | | | | | | | | | | | | |
| | Sunrise: Time, 6:55 Character, Cloudy Moonrise: | | | | | | St | | | | | St | | | | | | | St | | Sunset: Time, 4:13 Character, Cloudy Moonset: | | | |
| Sunshine (in tenths of hours) | | | | | | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | | |
| Wind direction | SW | S | S | S | SE | SE | SE | S | SE | SE | SE | SE | SE | SE | SE | SE | S | SW | SW | SW | NW | NW | NW | NW |
| Wind movement | 9 | 8 | 9 | 8 | 8 | 8 | 10 | 11 | 12 | 12 | 13 | 10 | 9 | 8 | 9 | 9 | 9 | 8 | 7 | 9 | 18 | 19 | 19 | 21 |
| Maximum velocities (exceeding 24 miles) direction and time | | | | | | | | | | | | | | | | | | | | | | | | 25 NW 11:00 |

Wind data corrected to true velocity.

Excessive precipitation, accumulated amounts

| Total duration. From— | To— | Total amount of precipitation. | Excessive rate. Began— | Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | | | | | |

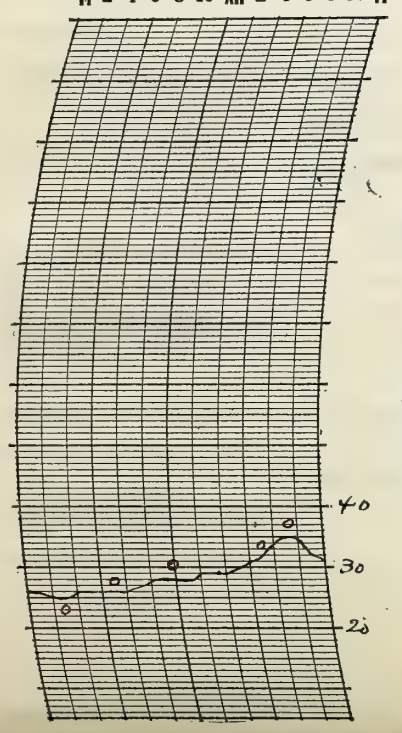
| Maximum Temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 35 | 25 | 30 | |

Total depth of snow for 24 hours ending 7 p. m., 2.4 inches.
Snow, sleet, and hail on ground 7 p. m., 1.7 inches.
Total snowfall, midnight to midnight, 2.4 inches.
Precipitation to 7 a. m., T ins.; to 7 p. m., .18 ins.
Total precipitation, midnight to midnight, .18 inches.
Character of day, Cloudy Moon phase,
Average daily cloudiness (0-10), 10
Actual sunshine, hours, 0 Possible sunshine, hours, 9.3
Per cent of possible sunshine, 0
Prevailing wind direction, SE Total wind, 263
Average hourly velocity, 11.0 Extreme velocity, 28
Maximum velocity, 25 Direction, NW
Time began, 11:00 P.M.
Reduced barometer, 30.06 7 a. m. 29.68 7 p. m.
River gage, 0.3 feet
Relative humidity, 96 7 a. m. 89 7 p. m.

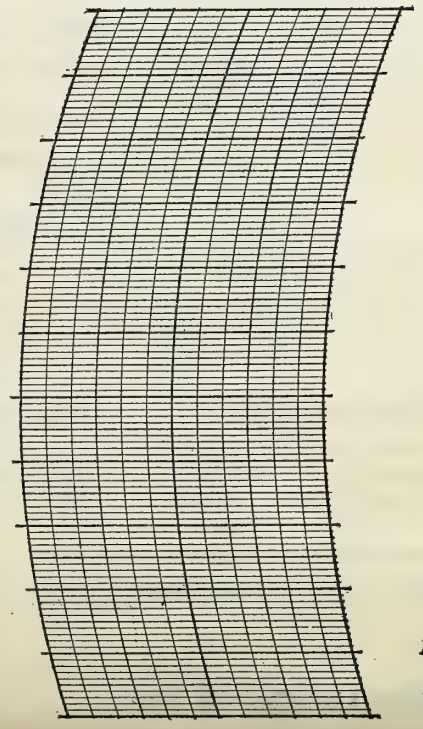
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 28.5 Wet temperature, 28.0
Dew-point, 28 R. humidity, 94 V. pressure, .150
Clouds: Amount, 10; Kind, St; Direction, S
Velocity of clouds (miles per hour)

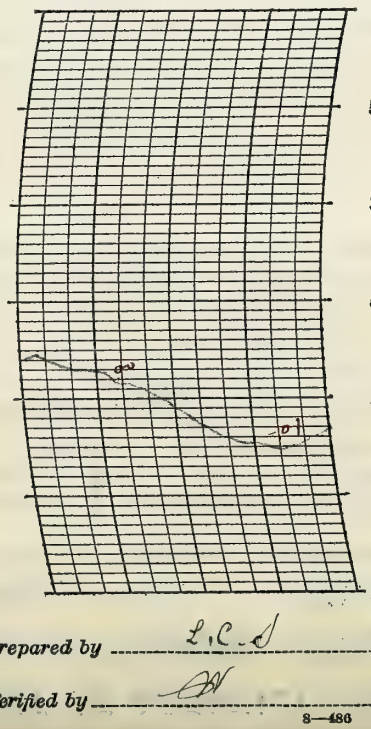
THERMOGRAPH




THERMOGRAPH




BAROGRAPH.




Prepared by L.C.D

Verified by

8—486

## NOTES

Flying conditions poor
Streets and roads became very slippery as traffic beat down the moist snow into ice. Very slippery from shortly after the snow began and continued so into following day
Special observation sent to Chicago at noon account .14 in fall in pressure in 3 hours

Form No. 1014—Met'l U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU

Form No. 1014—Met'l

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Monday, (Date) DEC 11 1933, 193

Time (local standard) 90 mer. normal time.

| | A.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 | P.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Temperature at end of hour 31 | 29 | 26 | 23 | 21 | 19 | 18 | 18 | 17 | 18 | 17 | 17 | 18 | 18 | 18 | 19 | 18 | 18 | 16 | 16 | 15 | 14 | 13 | 12 | 10 |
| State of weather. Nature of precipitation and time of beginning and ending | | SDB D.NA | | SDE DNA | | | SDB 6:20 | | SDE 8:10 | SDB 9:00 SDE 9:45 | | | | SDB 1:00 | | SDE 3:45 | | | | | | | | |
| Amounts of precipitation | | — | — | — | | | — | — | — | — | | | | — | — | — | | | | | | | | |
| Cloudiness and other conditions | | | | | | | | | | | | Cloudy | | | | | | Pt Cloudy | | Clear | | | | |
| | | | | | | | Sunrise: Time, 6:56 Character, Cloudy Moonrise: | | | | | | | | | | | | Sunset: Time, 4:13 Character, Cloudy Moonset: | | | | | |
| Sunshine (in tenths of hours) | | | | | | | 0 | 0 | 0 | 0 | 0 | 0 | 0.1 | 0.1 | 0 | 0 | 0 | | | | | | | |
| Wind direction | NW | NW | NW | NW | NW | NW | NW | NW | NW | N | NW | NW | NW | NW | NW | NW | NW | NW | W | W | NW | W | W | W |
| Wind movement | 21 | 18 | 18 | 16 | 15 | 13 | 12 | 12 | 12 | 9 | 9 | 9 | 10 | 10 | 11 | 12 | 11 | 9 | 8 | 6 | 7 | 5 | 4 | 4 |
| Maximum velocities (exceeding 24 miles) direction and time | 25 NW 12:48 | | | | | | | | | | | | | | | | | | | | | | | |

Wind data corrected to true velocity.

| | Total duration. From— | To— | Total amount of precipitation. | Excessive rate. Began— | Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Excessive precipitation, accumulated amounts | | | | | | | | | | | | | | | | | | | | |

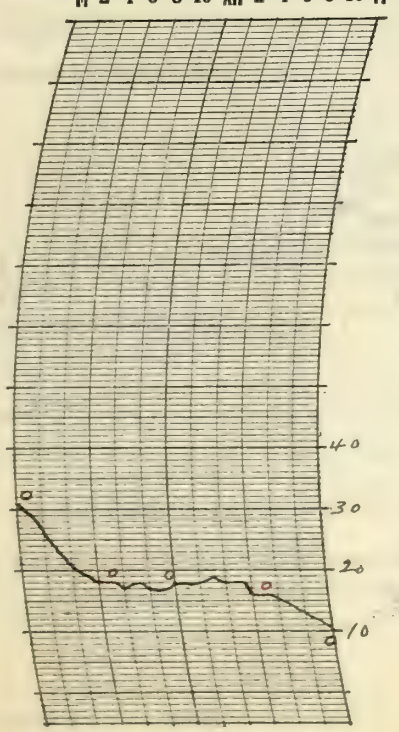
| Maximum Temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 31 | 10 | 20 | |

Total depth of snow for 24 hours ending 7 p. m., 0.1 inches.
Snow, sleet, and hail on ground 7 p. m., 1.8 inches.
Total snowfall, midnight to midnight, 0.1 inches.
Precipitation to 7 a. m., .01 ins.; to 7 p. m., T ins.
Total precipitation, midnight to midnight, .01 inches.
Character of day, Cloudy Moon phase,
Average daily cloudiness (0-10), 9
Actual sunshine, hours, 0.2 Possible sunshine, hours, 9.3
Per cent of possible sunshine, 2
Prevailing wind direction, NW Total wind, 261
Average hourly velocity, 10.9 Extreme velocity, 28
Maximum velocity, 25 Direction, NW
Time began, 12:48 a.m
Reduced barometer, 30.10 7 a. m. 30.37 7 p. m.
River gage, 0.4 feet
Relative humidity, 83 7 a. m. 76 7 p. m.

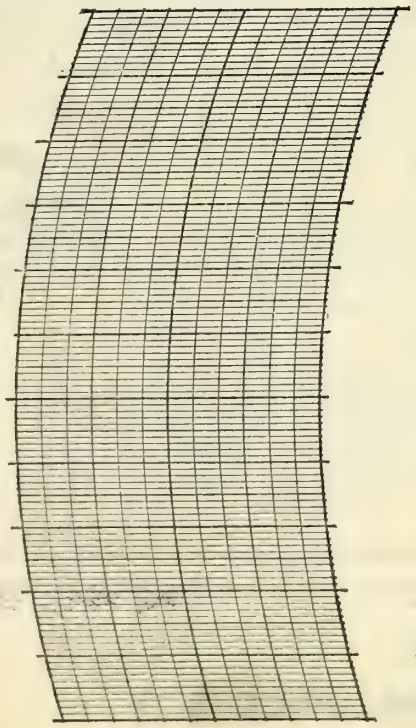
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 17.8 Wet temperature, 16.0
Dew-point, 11 R. humidity, 72 V. pressure, .066
Clouds: Amount, 4 a cu; Kind, St Cu; Direction, NW
Velocity of clouds (miles per hour)

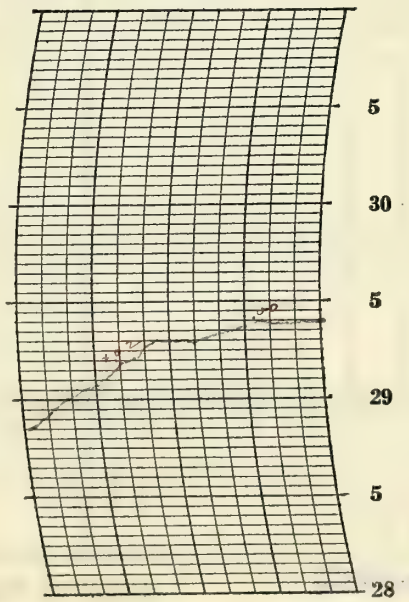
THERMOGRAPH




THERMOGRAPH




BAROGRAPH.




Prepared by L. C. S.

Verified by W

8—486

## NOTES

Streets are extremely slippery and driving hazardous

Flying conditions excellent all day.

Form No. 1014—Met'l

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Tuesday, (Date) DEC 12 1933, 193

Time (local standard) 90 mer. normal time.

| | A.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 | P.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Temperature at end of hour (10) | 11 | 12 | 13 | 14 | 15 | 15 | 15 | 16 | 17 | 18 | 19 | 20 | 22 | 22 | 23 | 22 | 22 | 21 | 20 | 20 | 20 | 19 | 18 | 17 |
| State of weather. Nature of precipitation and time of beginning and ending | | | | | | | | | | | | | | | | | | | | | | | | |
| Amounts of precipitation | | | | | | | | | | | | | | | | | | | | | | | | |
| Cloudiness and other conditions | | | | | | ← Cloudy | | | | | | → | ← x Pt Cloudy | | | | ← x Clear | | | | → | | | |
| | | | | | | | | | | | | | li st + ac | | | | | | | | | | | |
| | | | | | | | | | | | | | ast st | | | | | | | | | | | |
| Sunrise: Time, Character, 6:57 Cloudy / Moonrise: | | | | | | | | | | | | | | | | | | | | | Sunset: Time, Character, 4:13 Cloudy / Moonset: | | | |
| Sunshine (in tenths of hours) | | | | | | | 0 | 0 | 0 | 0 | 0 | 0.2 | 0.6 | 0 | 0.2 | 0 | 0 | | | | | | | |
| Wind direction | SW | W | W | W | NW | NW | NW | NW | NW | SW | SW | W | W | NW | NW | NW | NW | NW | SE | SE | SE | SE | E | SE |
| Wind movement | 4 | 5 | 3 | 4 | 4 | 4 | 4 | 3 | 5 | 7 | 7 | 7 | 6 | 5 | 5 | 4 | 3 | 6 | 6 | 7 | 6 | 7 | 4 | 6 |
| Maximum velocities (exceeding 24 miles) direction and time | | | | | | | | | | | | | | | | | | | | | | | | |

Wind data corrected to true velocity.

| Total duration. From— | To— | Total amount of precipitation. | Excessive rate. Began— | Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | | | | | |

Excessive precipitation, accumulated amounts

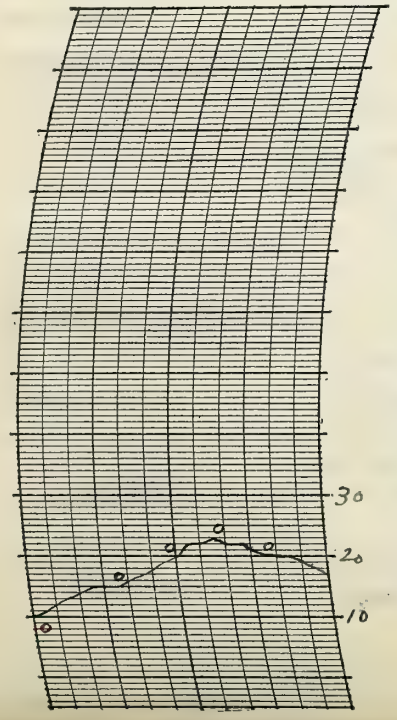
| Maximum Temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 23 | 10 | 16 | |

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 1.6 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Cloudy Moon phase,
Average daily cloudiness (0-10), 8
Actual sunshine, hours, 1.0 Possible sunshine, hours, 9.3
Per cent of possible sunshine, 11
Prevailing wind direction, NW Total wind, 122
Average hourly velocity, 5.1 Extreme velocity, 8
Maximum velocity, 8 Direction, SE
Time began, 7:02 P.M.
Reduced barometer, 30.38 7 a. m. 30.31 7 p. m.
River gage, 0.4 feet
Relative humidity, 82 7 a. m. 69 7 p. m.

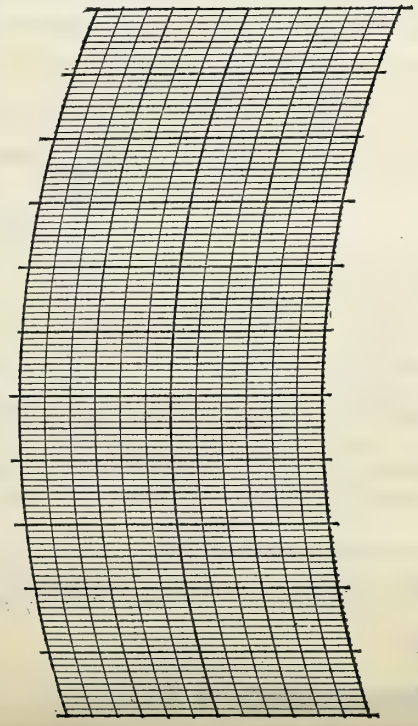
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 20.5 Wet temperature, 18.5
Dew-point, 14 R. humidity, 70 V. pressure, 027
Clouds: Amount, 6/2; Kind, ast; Direction, W
Velocity of clouds (miles per hour)

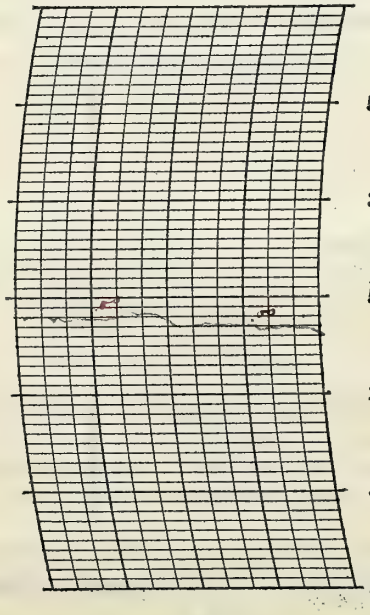
THERMOGRAPH




THERMOGRAPH




BAROGRAPH.




Prepared by L.C.S

Verified by W

8—486

## NOTES

Flying conditions excellent all day. Streets continue extremely slippery and driving dangerous.

Thin crust of ice over rivers this morning.

Form No. 1014—Met'l

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(Station) Fort Wayne Ind., (Day of week) Wednesday, (Date) DEC 13 1933, 193

Time (local standard) 90 mer. normal time.

| | A.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 | P.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Temperature at end of hour 17 | 17 | 17 | 16 | 14 | 16 | 17 | 18 | 19 | 20 | 22 | 22 | 23 | 23 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 23 | 23 |
| State of weather. Nature of precipitation and time of beginning and ending | | | | | | | | | | | | | | | | | | | | | | | | |
| Amounts of precipitation | | | | | | | | | | | | | | | | | | | | | | | | |
| Cloudiness and other conditions | | | | | | | | | | | | Cloudy | | | | | | | | | | | | |
| Sunrise: Time, 6:58 Character, Cloudy / Moonrise: | | | | | | | St | | | | | St | | | | | | St | | | Sunset: Time, 4:13 Character, Cloudy / Moonset: | | | |
| Sunshine (in tenths of hours) | | | | | | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | | |
| Wind direction | SE | E | SE | NE | E | E | E | E | E | SE | NE | NE | NE | NE | E | E | NE | NE | NE | NE | NE | NE | NE | NE |
| Wind movement | 8 | 7 | 5 | 6 | 7 | 8 | 9 | 9 | 9 | 9 | 7 | 9 | 8 | 9 | 8 | 6 | 7 | 8 | 9 | 8 | 9 | 9 | 9 | 10 |
| Maximum velocities (exceeding 24 miles) direction and time | | | | | | | | | | | | | | | | | | | | | | | | |

Wind data corrected to true velocity.

| Total duration. From— | To— | Total amount of precipitation. | Excessive rate. Began— | Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | | | | | |

Excessive precipitation, accumulated amounts

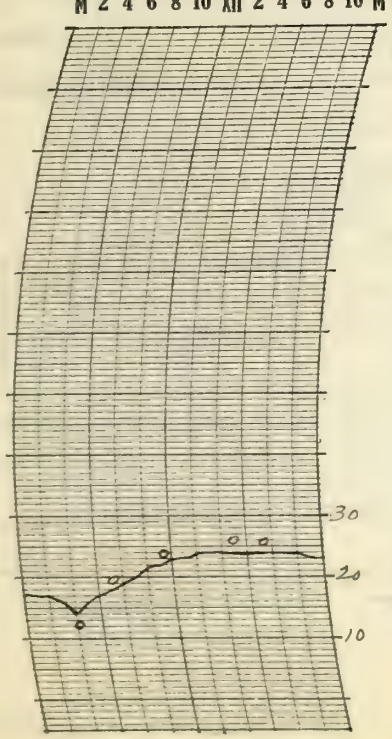
| Maximum Temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 24 | 14 | 19 | |

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 1.5 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Cloudy Moon phase,
Average daily cloudiness (0-10), 9
Actual sunshine, hours, 0 Possible sunshine, hours, 9.2
Per cent of possible sunshine, 0
Prevailing wind direction, NE Total wind, 193
Average hourly velocity, 8.0 Extreme velocity, 12
Maximum velocity, 12 Direction, E
Time began, 7:06 a.m.
Reduced barometer, 30.13 7 a.m. 30.19 7 p.m.
River gage, 0.5 feet
Relative humidity, 70 7 a.m. 82 7 p.m.

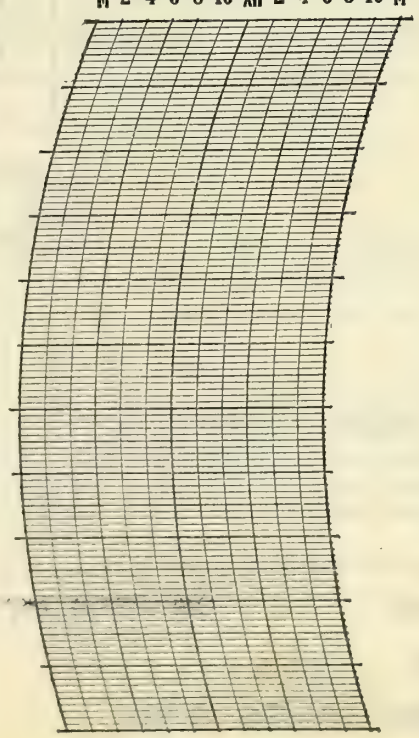
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 23.0 Wet temperature, 21.0
Dew-point, 16 R. humidity, 73 V. pressure, .085
Clouds: Amount, 10; Kind, St; Direction, W
Velocity of clouds (miles per hour)

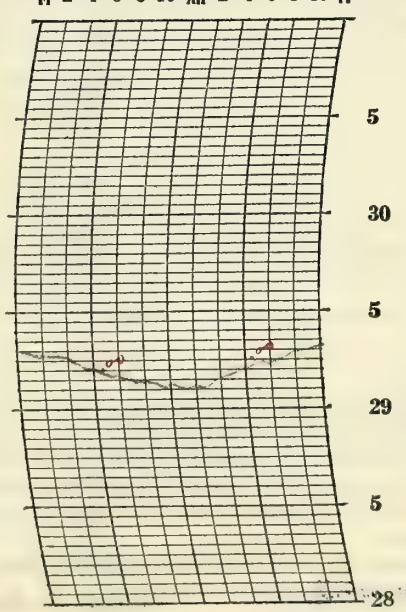
THERMOGRAPH




THERMOGRAPH




BAROGRAPH.




Prepared by L C S

Verified by W

8—486

## NOTES

Flying conditions good all day.
Thin coat of ice over river all day.
Light haze all day.
Streets continued extremely slippery and driving dangerous all day.

Form No. 1014—Met'l

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Thursday, (Date) DEC 14 1933, 193

Time (local standard) 90 mer. normal time.

| | A.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 | P.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Temperature at end of hour | 23 | 23 | 23 | 22 | 21 | 20 | 20 | 21 | 23 | 24 | 25 | 26 | 28 | 29 | 29 | 29 | 29 | 28 | 28 | 28 | 28 | 29 | 32 | 33 |
| State of weather. Nature of precipitation and time of beginning and ending | | | | | | | | | | | | | | | | | | | PB 6:05 | | RE 8:30 | | | |
| Amounts of precipitation | | | | | | | | | | | | | | | | | | | — | — | — | | | |
| Cloudiness and other conditions | | | | | | ← | | | | | | Cloudy | → | | | | | | | | | | | |
| | | | | | | | St | | | | | St | | | | | | | St | | | | | |
| Sunshine (in tenths of hours) | | | | | | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | | |
| Wind direction | NE | NE | NE | NE | NE | NE | E | E | E | E | E | E | E | E | E | E | E | E | E | E | E | E | SE | SE |
| Wind movement | 9 | 7 | 8 | 9 | 10 | 9 | 9 | 9 | 9 | 11 | 12 | 13 | 14 | 15 | 15 | 14 | 13 | 12 | 15 | 15 | 14 | 13 | 11 | 10 |
| Maximum velocities (exceeding 24 miles) direction and time | | | | | | | | | | | | | | | | | | | | | | | | |

Sunrise: Time, 6:58 Character, Cloudy
Moonrise:
Sunset: Time, 4:43 Character, Cloudy
Moonset:

Wind data corrected to true velocity.

Excessive precipitation, accumulated amounts

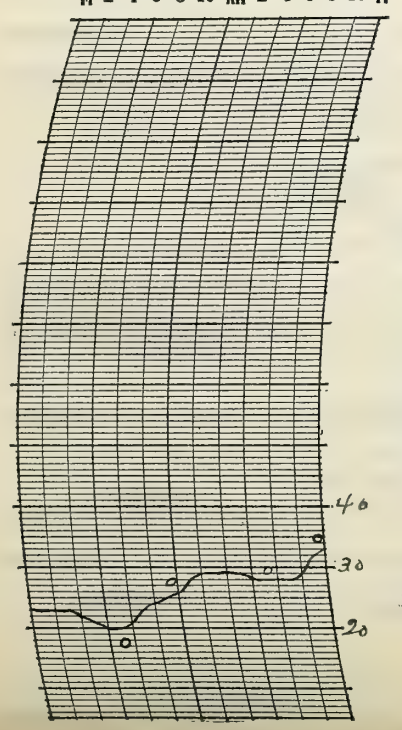
| Total duration. From— | To— | Total amount of precipitation. | Excessive rate. Began— | Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | | | | | |

| Maximum Temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 33 | 20 | 26 | |

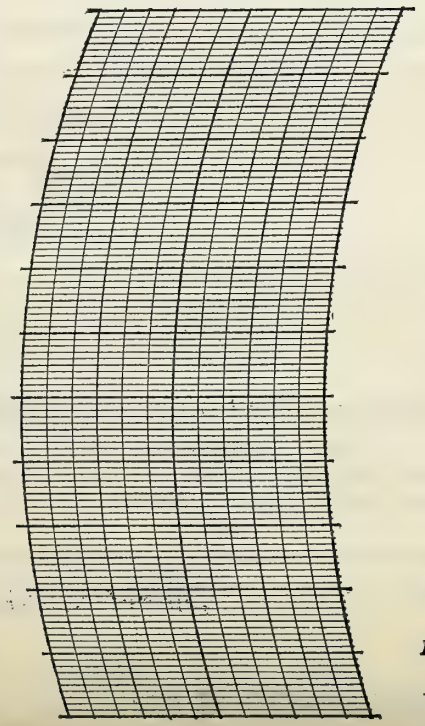
Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 1.5 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., T ins.
Total precipitation, midnight to midnight, T inches.
Character of day, Cloudy Moon phase,
Average daily cloudiness (0-10), 9
Actual sunshine, hours, 0 Possible sunshine, hours, 9.2
Per cent of possible sunshine, 0
Prevailing wind direction, E Total wind, 276
Average hourly velocity, 11.5 Extreme velocity, 19
Maximum velocity, 18 Direction, E
Time began, 7:00 p m.
Reduced barometer, 30.337 a. m. 30.10 7 p. m.
River gage, 0.5 feet
Relative humidity, 91 7 a. m. 85 7 p. m.

OBSERVATIONS AT 12 NOON.
(Local Mean Time.)
Dry temperature, 26.3 Wet temperature, 24.8
Dew-point, 22 R. humidity, 82 ST V. pressure, 29.113 SE
Clouds: Amount, 10; Kind, St-Ns, Direction, —
Velocity of clouds (miles per hour)

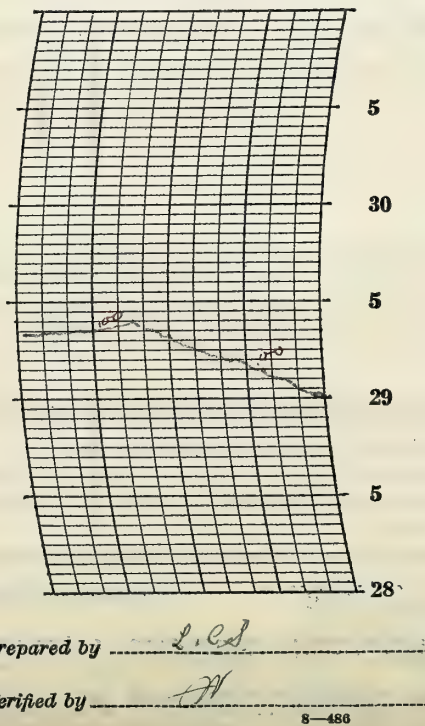
THERMOGRAPH




THERMOGRAPH




BAROGRAPH.




Prepared by L. C. S.

Verified by

8—486

## NOTES

Flying conditions fair all day. Streets slippery all day and into night when ice melted (Time undetermined)

Form No. 1014—Met'l

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Friday, (Date) DEC 15 1933, 193

Time (local standard) 90 mer. normal time.

| | A.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 | P.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Temperature at end of hour | 33 39 | 42 | 46 | 49 | 51 | 53 | 55 | 55 | 59 | 61 | 61 | 63 | 64 | 62 | 60 | 55 | 52 | 49 | 45 | 40 | 38 | 38 | 38 | 37 |
| State of weather. Nature of precipitation and time of beginning and ending | | | RB D.N.A. RE D.N.A. | | | | | | | | | | | | | | | | | | | | | |
| Amounts of precipitation | | | — | | | | | | | | | | | | | | | | | | | | | |
| Cloudiness and other conditions | | | | | | ← | | | | Cloudy | | → | ← | Pt Cldy | | → | Clear | | → | Pt Cldy | → | Cloudy | → | |
| | | | | | | | S+Cu | S+Cu | S+St | | | S+Cu | | | | | | | S+Cu | | | | | |
| Sunrise: Time, Character, 6:59 Cloudy. Moonrise: | | | | | | | | | | | | | | | | | | | | | Sunset: Time, Character, 4:14 Hazy. Moonset: | | | |
| Sunshine (in tenths of hours) | | | | | | | 0 | 0 | 0 | 0 | 0 | 0 | 0.1 | *1.0 | 1.0 | 1.0 | *.23 | | | | | | | |
| Wind direction | SE | SE | S | S | S | S | S | S | S | SW | SW | SW | SW | W | W | W | W | W | W | NW | W | W | NW | NW |
| Wind movement | 11 | 12 | 11 | 13 | 12 | 13 | 15 | 15 | 19 | 23 27-SW 9:40 | 19 | 20 | 17 | 19 | 17 | 16 | 12 | 12 | 10 | 9 | 12 | 10 | 11 | 9 |
| Maximum velocities (exceeding 24 miles) direction and time | | | | | | | | | | | | | | | | | | | | | | | | |

Wind data corrected to true velocity.

| | Total duration. From— | To— | Total amount of precipitation. | Excessive rate. Began— | Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Excessive precipitation, accumulated amounts | | | | | | | | | | | | | | | | | | | | |

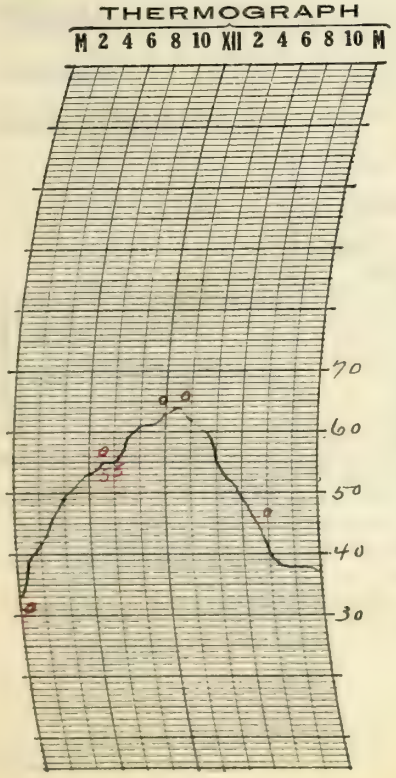
| Maximum Temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 64 | 33 | 48 | |

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., T ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, T inches.
Character of day, Pt Cloudy Moon phase,
Average daily cloudiness (0-10), 7
Actual sunshine, hours, 3.3 Possible sunshine, hours, 9.2
Per cent of possible sunshine, 36
Prevailing wind direction, W Total wind, 337
Average hourly velocity, 14.0 Extreme velocity, 30
Maximum velocity, 27 Direction, SW
Time began, 9:40 a. m.
Reduced barometer, 29.74 7 a. m. 29.90 7 p. m.
River gage, 0.4 feet
Relative humidity, 91 7 a. m. 75 7 p. m.

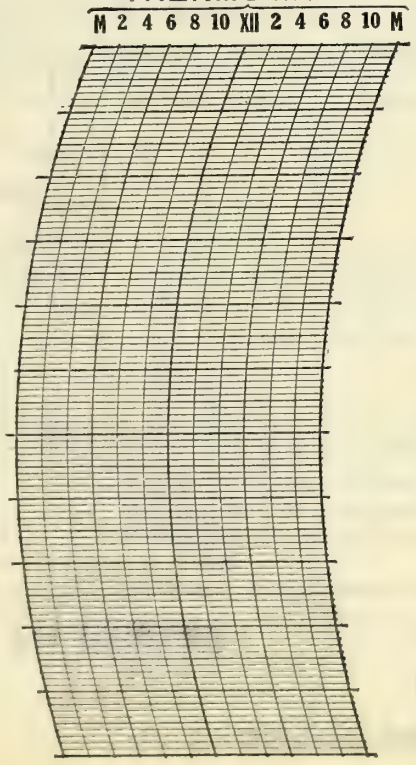
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 63.0 Wet temperature, 57.8
Dew-point, 55 R. humidity, 73 V. pressure, .432
Clouds: Amount, 10 ; Kind, St Cu ; Direction, SW
Velocity of clouds (miles per hour)

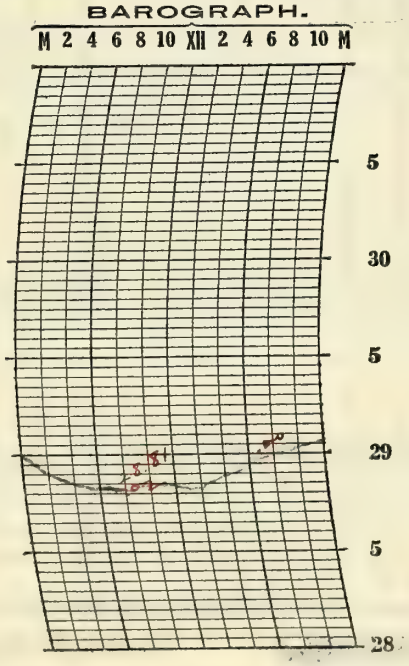
THERMOGRAPH




THERMOGRAPH




BAROGRAPH.




Prepared by L. C. S.

Verified by W

8—486

## NOTES

River free from ice this a.m.
Heavy dust from 2:15 p.m to 5:00 p.m.
Light haze before the dust. Flying conditions fair to poor at intervals during dust
* Sunshine recorded out of adjustment
Faint sunshine through thin clouds and dust 1:20 p.m. to sunset

Form No. 1014—Met'l

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Saturday, (Date) DEC 16 1933, 193

Time (local standard) 90 mer. normal time.

| | A.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 | P.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Temperature at end of hour (37) | 36 | 35 | 35 | 34 | 33 | 33 | 32 | 32 | 32 | 32 | 33 | 34 | 34 | 35 | 36 | 35 | 35 | 34 | 33 | 32 | 32 | 32 | 32 | 32 |
| State of weather. Nature of precipitation and time of beginning and ending | | | | | | | | | | | | | | | | | | | | | | | | |
| Amounts of precipitation | | | | | | | | | | | | | | | | | | | | | | | | |
| Cloudiness and other conditions | | | | | | ← | | | | | Cloudy | | | | | P.cdy | clear | cloudy | P.cdy | clear | → | | | |
| | | | | | | | St | | | | | St | | | | | | D.7 og | | | | | | |
| Sunshine (in tenths of hours) | | | | | | | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | | |
| Wind direction | W | W | W | NW | W | W | W | W | W | W | W | W | S | S | NE | NE | NE | NE | NE | NE | E | NE | NE | E |
| Wind movement | 9 | 8 | 8 | 8 | 7 | 5 | 6 | 4 | 4 | 5 | 5 | 4 | 6 | 7 | 8 | 8 | 6 | 8 | 9 | 9 | 9 | 8 | 7 | 6 |
| Maximum velocities (exceeding 24 miles) direction and time | | | | | | | | | | | | | | | | | | | | | | | | |

Sunrise: Time, 7:00 Character, Cloudy. Moonrise:

Sunset: Time, 4:14 Character, Cloudy. Moonset:

Wind data corrected to true velocity.

Excessive precipitation, accumulated amounts

| Total duration. From— | To— | Total amount of precipitation. | Excessive rate. Began— | Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | | | | | |

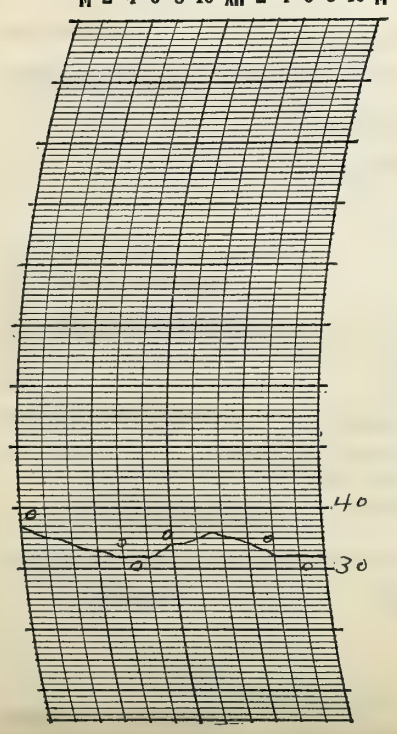
| Maximum Temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 37 | 32 | 34 | |

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Cloudy Moon phase,
Average daily cloudiness (0-10), 8
Actual sunshine, hours, 0 Possible sunshine, hours, 9.2
Per cent of possible sunshine, 0
Prevailing wind direction, W Total wind, 164
Average hourly velocity, 6.8 Extreme velocity, 11
Maximum velocity, 11 Direction, NE
Time began, 5:26 P.M.
Reduced barometer, 30.13 7 a. m. 30.17 7 p. m.
River gage, 0.5 feet
Relative humidity, 91 7 a. m. 95 7 p. m.

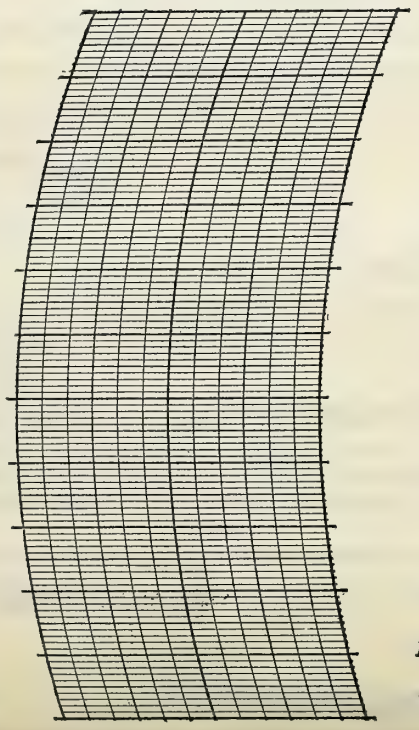
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 34.0 Wet temperature, 33.0
Dew-point, 32 R. humidity, 90 V. pressure, .180
Clouds: Amount, 10/10; Kind, St 4 Sc; Direction, W/W
Velocity of clouds (miles per hour)

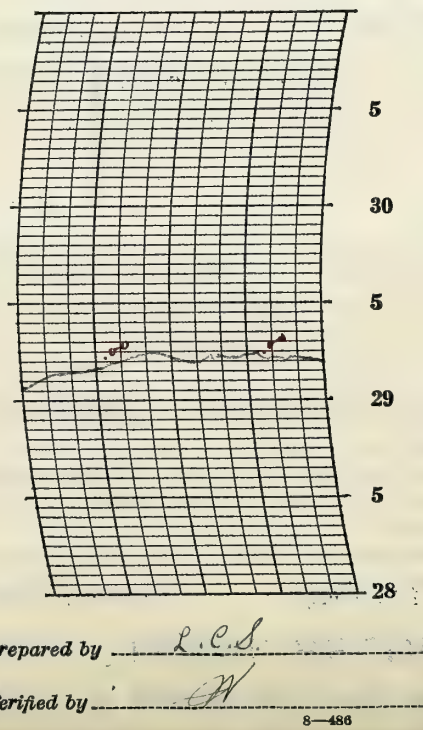
THERMOGRAPH




THERMOGRAPH




BAROGRAPH.




Prepared by L.C.S.

Verified by W

8—486

## NOTES

Fair lying conditions poor from 11:00 a.m. remainder of day.

Form No. 1014—Met'l

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Sunday, (Date) DEC 17 1933, 193

Time (local standard) 90 mer. normal time.

| | A.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 | P.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Temperature at end of hour | 32 | 32 | 33 | 33 | 34 | 34 | 35 | 35 | 36 | 37 | 37 | 40 | 42 | 43 | 48 | 48 | 47 | 42 | 40 | 39 | 38 | 38 | 37 | 35 |
| State of weather. Nature of precipitation and time of beginning and ending | | | | | | | RB 6:35 | | | | very light mist after 9:00 a.m | | | | | | | | RE 6:10 | | | | | |
| Amounts of precipitation | | | | | | | .01 | .13 | .06 | T | T | T | T | T | T | T | T | T | T | | | | | |
| Cloudiness and other conditions | | | | | | | ← | | | | | Cloudy | | | | | | | | | → | | | |
| | | | | | | | Nmb | Pcg | | | | St | | | | | | | St | | | | | |
| Sunrise: Time, 7:01 Character, Foggy | | | | | | | | | | | | | | | | | | | | | Sunset: Time, 4:14 Character, Cloudy | | | |
| Moonrise: | | | | | | | | | | | | | | | | | | | | | Moonset: | | | |
| Sunshine (in tenths of hours) | | | | | | | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | | | |
| Wind direction | E | E | E | E | E | E | NE | NE | NE | E | E | E | E | SE | W | W | W | W | NW | NW | NW | NW | NW | NW |
| Wind movement | 9 | 9 | 9 | 7 | 7 | 7 | 7 | 7 | 9 | 6 | 6 | 3 | 3 | 7 | 12 | 15 | 15 | 16 | 15 | 13 | 14 | 13 | 15 | 13 |
| Maximum velocities (exceeding 24 miles) direction and time | | | | | | | | | | | | | | | | | | | | | | | | |

Wind data corrected to true velocity.

| | Total duration. From— | To— | Total amount of precipitation. | Excessive rate. Began— | Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Excessive precipitation, accumulated amounts | | | | | | | | | | | | | | | | | | | | |

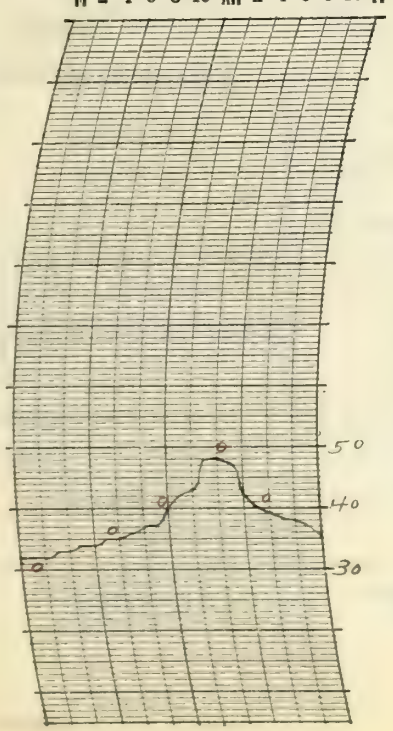
| Maximum Temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 48 | 32 | 40 | |

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., T ins.; to 7 p. m., .20 ins.
Total precipitation, midnight to midnight, 0.20 inches.
Character of day, Cloudy Moon phase,
Average daily cloudiness (0-10), 10
Actual sunshine, hours, 0 Possible sunshine, hours, 9.2
Per cent of possible sunshine, 0
Prevailing wind direction, E Total wind, 237
Average hourly velocity, 9.9 Extreme velocity, 21
Maximum velocity, 20 Direction, W
Time began, 4:51 P.M.
Reduced barometer, 30.04 7 a. m. 30.17 7 p. m.
River gage, 0.4 feet
Relative humidity, 100 7 a. m. 89 7 p. m.

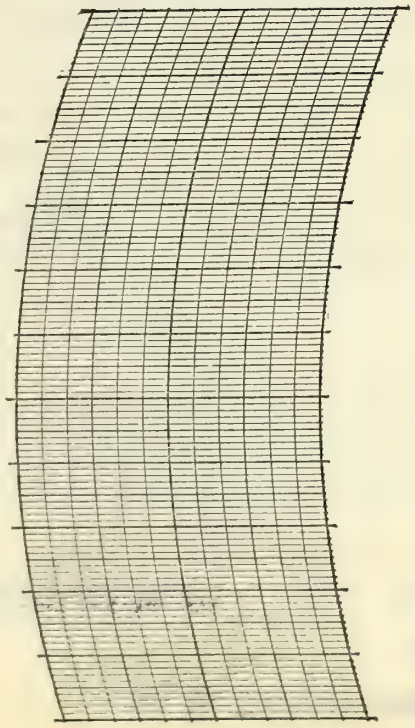
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 40.0 Wet temperature, 39.5
Dew-point, 39 R. humidity, 96 V. pressure, .237
Clouds: Amount, 10/10; Kind, St Nmb; Direction, E/E
Velocity of clouds (miles per hour)

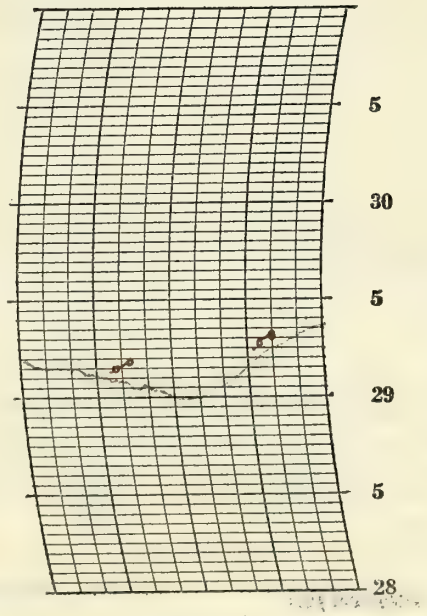
THERMOGRAPH




THERMOGRAPH




BAROGRAPH.




Prepared by L.C.S

Verified by W

8—486

## NOTES

Flying conditions extremely poor all day.

Light mist from 9:00 a.m to 6:10 p.m before 9:00 a.m a light rain

T. B. Removed at P.M. Abs.

Form No. 1014—Met'l

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Monday, (Date) DEC 18 1933, 193

Time (local standard) 90 mer. normal time.

| | A.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 | P.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Temperature at end of hour (35) | 34 | 34 | 33 | 32 | 32 | 32 | 31 | 30 | 32 | 32 | 33 | 34 | 35 | 35 | 36 | 36 | 35 | 35 | 34 | 34 | 33 | 33 | 32 | 32 |
| State of weather. Nature of precipitation and time of beginning and ending | | | | | | | | | | | | | | | | | | | | | | | | |
| Amounts of precipitation | | | | | | | | | | | | | | | | | | | | | | | | |
| Cloudiness and other conditions | | | | | | ← | | | | | | Cloudy | | | | | | x P+ cldy | x Clear | x P+ cldy | x cldy → | | | |
| Sunshine (in tenths of hours) | | | | | | | | 0 | Ø 0.2 | 1.0 | 1.0 | 1.0 | Ø 1.0 | 1.0 | 0.7 | 0 | 0 | | | | | | | |
| Wind direction | NW | NW | NW | NW | NW | N | N | NE | NE | E | E | SE | S | E | E | E | E | E | E | E | E | E | E | E |
| Wind movement | 11 | 9 | 9 | 9 | 8 | 7 | 8 | 6 | 5 | 8 | 9 | 9 | 7 | 7 | 7 | 7 | 6 | 4 | 6 | 6 | 5 | 5 | 6 | 4 |
| Maximum velocities (exceeding 24 miles) direction and time | | | | | | | | | | | | | | | | | | | | | | | | |

Sunrise: Time, 7:01 Character, Cloudy — Moonrise: ——

to 8:50 A

Ci + St + Cu

CiCu + CiSt + Cu

Sunset: Time, 4:15 Character, Cloudy — Moonset: ——

Wind data corrected to true velocity.

| Total duration. From— | To— | Total amount of precipitation. | Excessive rate. Began— | Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | | | | | |

Excessive precipitation, accumulated amounts

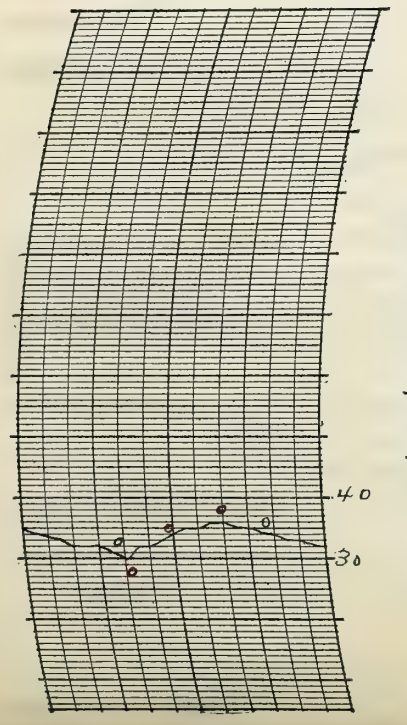
| Maximum Temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 36 | 30 | 33 | |

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Cloudy Moon phase, ——
Average daily cloudiness (0-10), 9
Actual sunshine, hours, 5.9 Possible sunshine, hours, 9.2
Per cent of possible sunshine, 64
Prevailing wind direction, E Total wind, 168
Average hourly velocity, 7.0 Extreme velocity, 13
Maximum velocity, 13 Direction, NW
Time began, 1:04 a. m.
Reduced barometer, 30.48 7a. m. 30.42 7p. m.
River gage, 0.3 feet
Relative humidity, 82 7a. m. 86 7p. m.

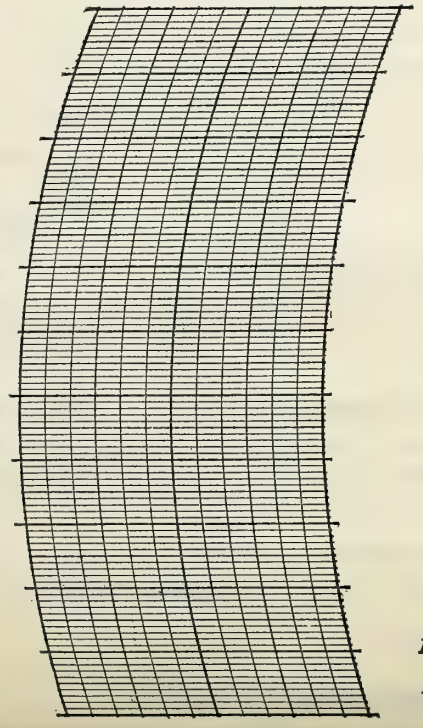
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 33.5 Wet temperature, 31.0
Dew-point, 28 R. humidity, 76 V. pressure, .150
Clouds: Amount, 1/4 a Cu / 1/2 Cu; Kind, a St; Direction, W / SE
Velocity of clouds (miles per hour)

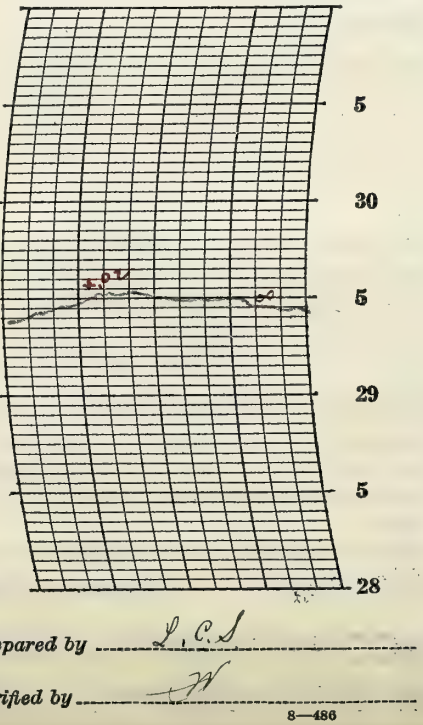
THERMOGRAPH




THERMOGRAPH




BAROGRAPH.




Prepared by L. C. S

Verified by W

8—486

## NOTES

Ø Sunshine recorder out of adjustment
Faint sunshine through thin clouds
from 8:50 a.m to
Flying conditions fair to good until
4:30 p and then Poor as result of light fog

Form No. 1014—Met'l

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(Station) Fort Wayne Ind, (Day of week) Tuesday, (Date) DEC 19 1933, 193

Time (local standard) 90 mer. normal time.

| | 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 | 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | A.M. | | | | | | | | | | | | P.M. | | | | | | | | | | | |
| Temperature at end of hour (32) | 32 | 32 | 32 | 31 | 31 | 30 | 30 | 31 | 32 | 32 | 34 | 39 | 39 | 39 | 39 | 40 | 39 | 39 | 38 | 35 | 35 | 35 | 36 | 36 |
| State of weather. Nature of precipitation and time of beginning and ending | | | | | | | | | | | | | | | | | | | RB 6:05 | | | | | R Contd * (2) |
| Amounts of precipitation | | | | | | | | | | | | | | | | | | | T | .02 | .05 | .01 | .01 | .18 |
| Cloudiness and other conditions | | | | | | ← | | | | | | Cloudy | | | | | | | | | | | | |
| | | | | | | | | St | | | | Ci, a Cu St Cu | | | | | | | St | | | | | |
| Sunrise: Time 7:02, Character Cloudy. Moonrise: | | | | | | | | | | | | | | | | | | | | | Sunset: Time 4:15, Character Cloudy. Moonset: | | | |
| Sunshine (in tenths of hours) | | | | | | | | 0 | 0 | 0 | 0.7 | 1.0 | 0.2 | 0 | 0 | 0 | 0 | | | | | | | |
| Wind direction | E | E | E | E | E | NE | NE | NE | NE | NE | NE | NE | NE | NE | NE | NE | NE | E | NE | NE | NE | NE | NE | NE |
| Wind movement | 6 | 5 | 5 | 5 | 5 | 7 | 7 | 7 | 5 | 7 | 8 | 9 | 9 | 11 | 9 | 11 | 11 | 11 | 10 | 12 | 12 | 14 | 12 | 9 |
| Maximum velocities (exceeding 24 miles) direction and time | | | | | | | | | | | | | | | | | | | | | | | | |

Wind data corrected to true velocity.

| Total duration. From— | To— | Total amount of precipitation. | Excessive rate. Began— | Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | | | | | |

Excessive precipitation, accumulated amounts

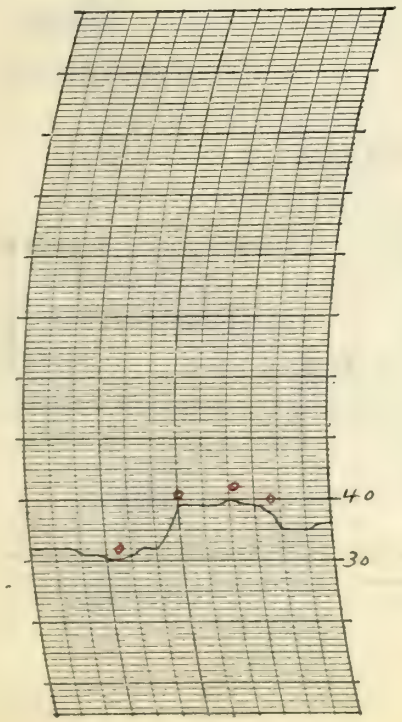
| Maximum Temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 40 | 30 | 35 | |

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., T ins.
Total precipitation, midnight to midnight, 0.27 inches.
Character of day, Cloudy Moon phase,
Average daily cloudiness (0-10), 9
Actual sunshine, hours, 1.9 Possible sunshine, hours, 9.2
Per cent of possible sunshine, 21
Prevailing wind direction, NE Total wind, 207
Average hourly velocity, 8.6 Extreme velocity, 16
Maximum velocity, 15 Direction, NE
Time began, 9:36 P.M.
Reduced barometer, 30.34 7 a. m. 30.10 7 p. m.
River gage, 0.6 feet
Relative humidity, 90 7 a. m. 86 7 p. m.

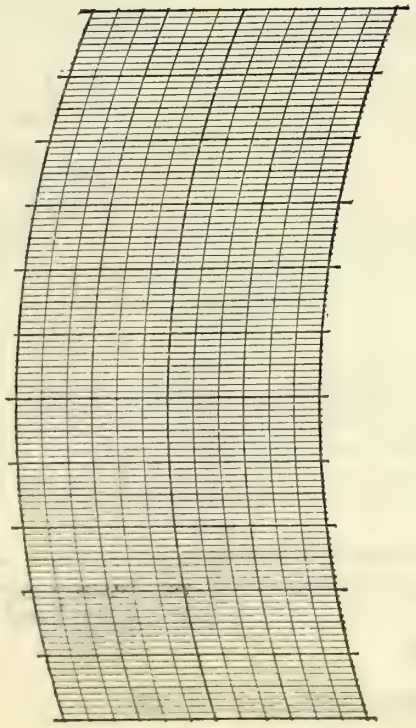
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 39.0 Wet temperature, 36.6
Dew-point, 33 R. humidity, 81 V. pressure, .187
Clouds: Amount, 2/10; Kind, Cu Sc a Cu; Direction, W W NE
Velocity of clouds (miles per hour)

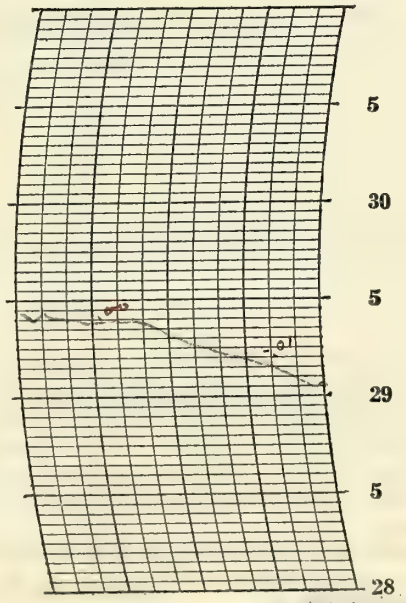
THERMOGRAPH




THERMOGRAPH




BAROGRAPH.




Prepared by L. C. S.

Verified by

8—486

## NOTES

Flying conditions poor most of the day as result of light fog.

* Numbers in parenthesis hundredths added to automatic record

Form No. 1014—Met'l

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Wednesday, (Date) DEC 20 1933, 193

Time (local standard) 90 mer. normal time.

| | A.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 | P.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Temperature at end of hour (36) | 35 | 35 | 36 | 36 | 36 | 37 | 37 | 38 | 38 | 39 | 39 | 40 | 40 | 40 | 39 | 37 | 37 | 37 | 37 | 37 | 36 | 36 | 36 | 36 |
| State of weather: Nature of precipitation and time of beginning and ending | R Contd | | | | | | | | RE 8:15 | | | RB 11:10 | | | Light Mist | | | | * | | | | RE D.N.P. | |
| Amounts of precipitation | T | T | T | T | T | T | .01 | T | T | | | T | T | T | T | T | T | T | T | — | — | — | — | |
| Cloudiness and other conditions | | | | | | ← | | | | | | Cloudy | → | | | | | | St | | | | | |
| Sunrise: Time, 7:02 Character, Cloudy / Moonrise: | | | | | | | St | | | | | St | | | | | | | | | Sunset: Time, 4:15 Character, Cloudy / Moonset: | | | |
| Sunshine (in tenths of hours) | | | | | | | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | | |
| Wind direction | NE | NE | E | E | E | E | E | E | SW | SW | SW | SW | SW | W | W | W | W | W | W | W | W | W | W | W |
| Wind movement | 10 | 10 | 7 | 6 | 4 | 4 | 2 | 5 | 11 | 11 | 12 | 12 | 12 | 15 | 16 | 16 | 17 | 15 | 15 | 17 | 19 | 15 | 14 | 15 |
| Maximum velocities (exceeding 24 miles) direction and time | | | | | | | | | | | | | | | | | | | | | | | | |

Wind data corrected to true velocity.

| | Total duration. From— | To— | Total amount of precipitation. | Excessive rate. Began— | Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Excessive precipitation, accumulated amounts | | | | | | | | | | | | | | | | | | | | |

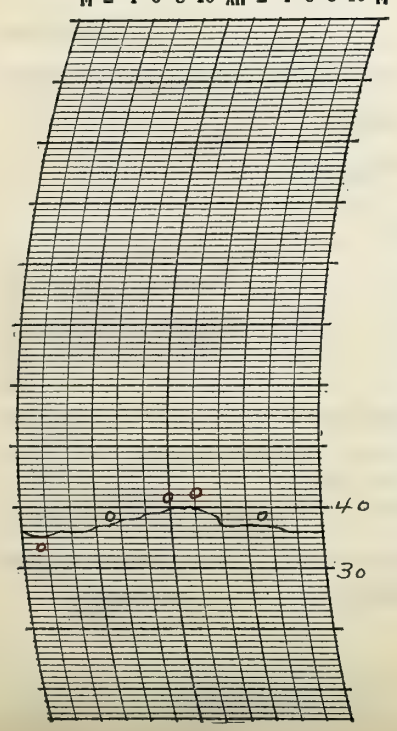
| Maximum Temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 40 | 35 | 38 | |

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., .28 ins.; to 7 p. m., T ins.
Total precipitation, midnight to midnight, .01 inches.
Character of day, Cloudy Moon phase,
Average daily cloudiness (0-10), 10
Actual sunshine, hours, 0 Possible sunshine, hours, 9.2
Per cent of possible sunshine, 0
Prevailing wind direction, W Total wind, 280
Average hourly velocity, 11.7 Extreme velocity, 24
Maximum velocity, 23 Direction, W
Time began, 8:08 P.M.
Reduced barometer, 29.87 7a. m. 29.85 7p. m.
River gage, 0.8 feet
Relative humidity, 99 7a. m. 91 7p. m.

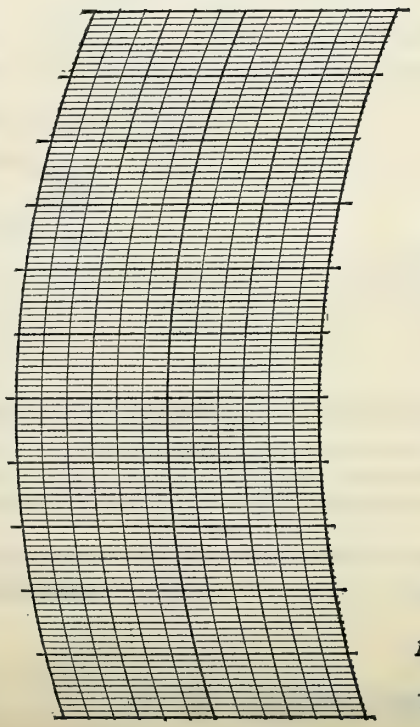
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 39.8 Wet temperature, 39.2
Dew-point, 39 R. humidity, 95 V. pressure, .237
Clouds: Amount, 10; Kind, St; Direction, W
Velocity of clouds (miles per hour)

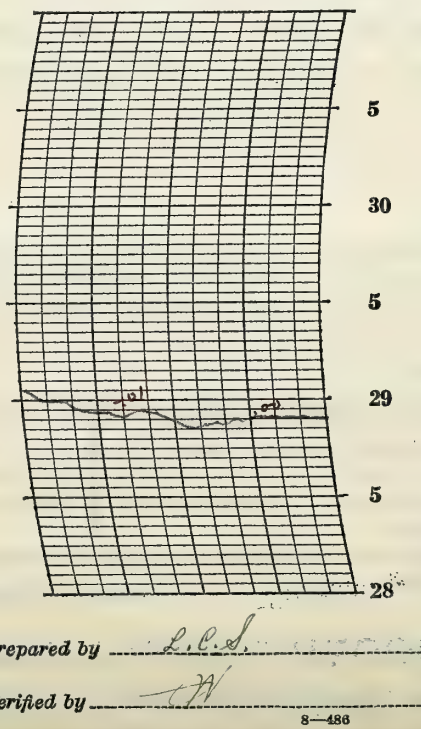
THERMOGRAPH




THERMOGRAPH




BAROGRAPH.




Prepared by L. C. S.

Verified by W

8—486

## NOTES

* J. B. Removed at P. M. Obs.
Flying conditions were poor all day.

Form No. 1014—Met'l

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Thursday, (Date) DEC 21 1933, 193

Time (local standard) 90 mer. normal time.

| | A.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 | P.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Temperature at end of hour (36) | 36 | 36 | 36 | 36 | 36 | 36 | 36 | 36 | 36 | 36 | 36 | 36 | 36 | 36 | 36 | 36 | 36 | 36 | 36 | 36 | 36 | 36 | 36 | 36 |
| State of weather: Nature of precipitation and time of beginning and ending | | | | | | | | | | | | | | | | | | | | | | | | |
| Amounts of precipitation | | | | | | | | | | | | | | | | | | | | | | | | |
| Cloudiness and other conditions | | | | | | | | | | | | | | | | | | | | | | | | |
| Sunrise: Time, 7:02 Character, Cloudy / Moonrise: | | | | | | | | | | | | | | | | | | | | | Sunset: Time, 4:16 Character, Cloudy / Moonset: | | | |
| Sunshine (in tenths of hours) | | | | | | | | | | | | | | | | | | | | | | | | |
| Wind direction | W | W | W | W | W | W | W | W | W | W | W | W | W | W | W | W | W | W | W | W | W | W | W | W |
| Wind movement | 15 | 15 | 15 | 15 | 15 | 15 | 15 | 15 | 15 | 15 | 15 | 15 | 15 | 15 | 15 | 15 | 15 | 15 | 15 | 15 | 15 | 15 | 15 | 15 |
| Maximum velocities (exceeding 24 miles) direction and time | | | | | | | | | | | | | | | | | | | | | | | | |

Wind data corrected to true velocity.

| | Total duration. From— | To— | Total amount of precipitation. | Excessive rate. Began— | Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Excessive precipitation, accumulated amounts | | | | | | | | | | | | | | | | | | | | |

| Maximum Temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 36 | 36 | 36 | |

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Cloudy Moon phase,
Average daily cloudiness (0-10), 10
Actual sunshine, hours, 0 Possible sunshine, hours, 9.2
Per cent of possible sunshine, 0
Prevailing wind direction, W Total wind, 360
Average hourly velocity, 15 Extreme velocity, 24
Maximum velocity, 24 Direction, W
Time began, 8:08 P.M.
Reduced barometer, 29.85 7a. m. 29.85 7p. m.
River gage, 0.8 feet
Relative humidity, 99 7a. m. 91 7p. m.

OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 39.8 Wet temperature, 39.2
Dew-point, 39 R. humidity, 95 V. pressure, .237
Clouds: Amount, 10; Kind, St; Direction, W
Velocity of clouds (miles per hour)

Form No. 1014—Met'1

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Thursday, (Date) DEC 21 1933, 193

Time (local standard) 90 mer. normal time.

| | A.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 | P.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Temperature at end of hour (36) | 35 | 34 | 34 | 33 | 33 | 33 | 34 | 34 | 33 | 32 | 32 | 32 | 31 | 31 | 30 | 31 | 31 | 31 | 32 | 32 | 34 | 35 | 35 | 35 |
| State of weather. Nature of precipitation and time of beginning and ending | | | | | | | | | | | | | | | | | | | | | | | | |
| Amounts of precipitation | | | | | | | | | | | | | | | | | | | | | | | | |
| Cloudiness and other conditions | | | | | | ← | | | | | Cloudy | | | | | | Pt cldy | × | Clear | | | | | → |
| | | | | | | | St | | | | | St + StCu | | | | | | | St | | | | | |
| Sunshine (in tenths of hours) | | | | | | | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | | |
| Wind direction | W | W | W | NW | NW | NW | NW | NW | W | NW | W | W | W | W | SW | SW | SW | SW | SW | SW | SW | SW | SW | SW |
| Wind movement | 13 | 12 | 10 | 12 | 11 | 11 | 11 | 10 | 12 | 11 | 12 | 12 | 13 | 13 | 12 | 11 | 9 | 9 | 9 | 10 | 12 | 12 | 13 | 12 |
| Maximum velocities (exceeding 24 miles) direction and time | | | | | | | | | | | | | | | | | | | | | | | | |

Sunrise: Time, 7:03 Character, Cloudy. Moonrise: ____

Sunset: Time, 4:16 Character, Cloudy. Moonset: ____

Wind data corrected to true velocity.

| Total duration. From— | To— | Total amount of precipitation. | Excessive rate. Began— | Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | | | | | |

Excessive precipitation, accumulated amounts

| Maximum Temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 36 | 30 | 33 | |

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., T ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Cloudy Moon phase, ____
Average daily cloudiness (0-10), 10
Actual sunshine, hours, 0 Possible sunshine, hours, 9.2
Per cent of possible sunshine, 0
Prevailing wind direction, SW Total wind, 272
Average hourly velocity, 11.3 Extreme velocity, 17
Maximum velocity, 16 Direction, SW
Time began, 2:06 P.m.
Reduced barometer, 29.96 7 a. m. 29.93 7 p. m.
River gage, 1.4 feet
Relative humidity, 76 7 a. m. 79 7 p. m.

OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 31.5 Wet temperature, 29.0
Dew-point, 25 R. humidity, 74 V. pressure, .130
Clouds: Amount, 5/5; Kind, StCu; Direction, W
Velocity of clouds (miles per hour) ____

THERMOGRAPH
M 2 4 6 8 10 XII 2 4 6 8 10 M
40
30

THERMOGRAPH
M 2 4 6 8 10 XII 2 4 6 8 10 M

BAROGRAPH.
M 2 4 6 8 10 XII 2 4 6 8 10 M
5
30
5
29
5
28

Prepared by L.C.S.

Verified by ____

8—486

## NOTES

Flying Conditions Very good all day

Form No. 1014—Met'l

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Friday, (Date) DEC 22 1933, 193

Time (local standard) 90 mer. normal time.

| | A.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 | P.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Temperature at end of hour (35) | 35 | 36 | 36 | 35 | 35 | 34 | 34 | 34 | 35 | 37 | 39 | 41 | 43 | 44 | 44 | 43 | 43 | 41 | 41 | 39 | 38 | 37 | 36 | 35 |
| State of weather. Nature of precipitation and time of beginning and ending | | | | | | | | | | | | | | | | | | | | | | | | |
| Amounts of precipitation | | | | | | | | | | | | | | | | | | | | | | | | |
| Cloudiness and other conditions | | | | | | ← Clear | | × | Pt Cloudy | | × | Cloudy | | | | | Pt Cloudy | × | Clear | | → | | | |
| | | | | | | | ci | | | | ci st | ci st | | | | | | | ci st | | | | | |
| Sunshine (in tenths of hours) | | | | | | | | .95 0 | 0.7 0.2 | 1.0 | 1.0 | 1.0 | 1.0 | 0.8 | 0.2 | 0 | 0 | | | | | | | |
| Wind direction | SW | SW | W | W | W | SW | SW | W | W | W | W | SW | W | W | W | W | W | W | W | W | W | W | W | W |
| Wind movement | 12 | 11 | 9 | 10 | 10 | 11 | 11 | 9 | 10 | 9 | 9 | 10 | 9 | 9 | 9 | 6 | 6 | 6 | 4 | 5 | 5 | 5 | 5 | 4 |
| Maximum velocities (exceeding 24 miles) direction and time | | | | | | | | | | | | | | | | | | | | | | | | |

Sunrise: Time, 7:03 Character, Clear
Moonrise:
Sunset: Time, 4:16 Character, Cloudy
Moonset:

| Maximum Temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 44 | 34 | 39 | |

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Pt Cloudy Moon phase,
Average daily cloudiness (0-10), 7
Actual sunshine, hours, 6.8 Possible sunshine, hours, 9.2
Per cent of possible sunshine, 74
Prevailing wind direction, W Total wind, 194
Average hourly velocity, 8.1 Extreme velocity, 14
Maximum velocity, 14 Direction, SW
Time began, 12:43 a.m.
Reduced barometer, 29.86 7 a. m. 29.93 7 p. m.
River gage, 1.5 feet
Relative humidity, 86 7 a. m. 75 7 p. m.

Wind data corrected to true velocity.

| Total duration. From— | To— | Total amount of precipitation. | Excessive rate. Began— | Ended— | Amount before excessive began. |
|---|---|---|---|---|---|
| | | | | | |

Accumulated depths during excessive rate, for consecutive periods of time indicated below.

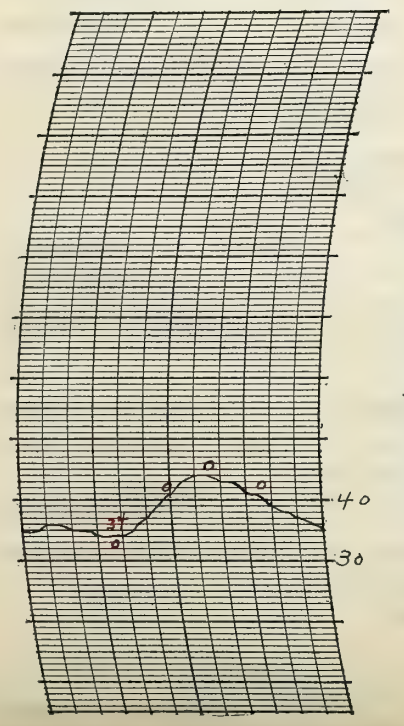
| 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | |

Excessive precipitation, accumulated amounts

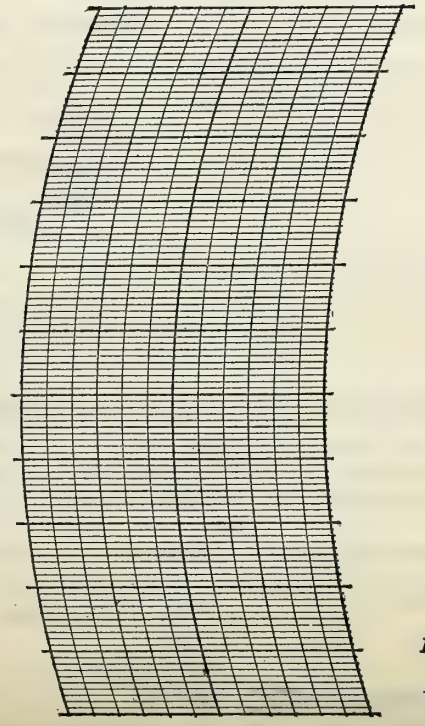
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 41.2 Wet temperature, 37.0
Dew-point, 31 R. humidity, 68 V. pressure, .172
Clouds: Amount, 5/4; Kind, ci st; Direction, W
Velocity of clouds (miles per hour)

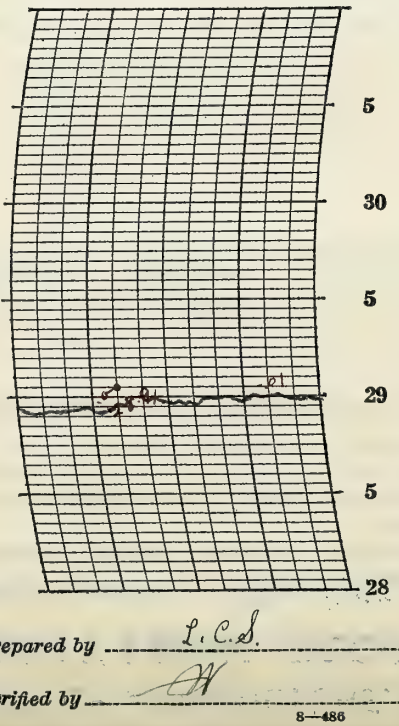
THERMOGRAPH




THERMOGRAPH




BAROGRAPH.




Prepared by L. C. S.
Verified by

8—486

## NOTES

Flying conditions good to excellent all day.
Moderately bright solar halo from 1:30 P.M. to 3:00 P.M.

Form No. 1014—Met'1

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Saturday, (Date) DEC 23 1933, 193

Time (local standard) 90 mer. normal time.

| | A.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 | P.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Temperature at end of hour (35) | 35 | 35 | 35 | 34 | 32 | 32 | 31 | 31 | 33 | 38 | 45 | 51 | 57 | 58 | 59 | 56 | 54 | 55 | 56 | 55 | 55 | 53 | 52 | 51 |
| State of weather. Nature of precipitation and time of beginning and ending | | | | | | | | | | | | | | | | | | | | | | | | |
| Amounts of precipitation | | | | | | | | | | | | | | | | | | | | | | | | |
| Cloudiness and other conditions | | | | | | | ← | | | | | Clear | | | | | | | Pt Cloudy → | | | | | |
| Sunrise: Time, Character, 7:04 Clear. Moonrise: | | | | | | | Cl | St | | | | | | | | | | | | | Sunset: Time, Character, 4:17 Clear. Moonset: | | | |
| Sunshine (in tenths of hours) | | | | | | | | .9 3 0 | 0.2 0.8 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 0.1 0.9 | .2 8 0 | | | | | | | |
| Wind direction | W | W | W | W | W | W | W | W | W | W | W | S | SW | S | S | S | S | S | SW | SW | SW | SW | SW | SW |
| Wind movement | 5 | 4 | 3 | 5 | 5 | 5 | 5 | 5 | 4 | 5 | 7 | 9 | 10 | 13 | 12 | 14 | 12 | 14 | 17 | 17 | 16 | 11 | 11 | 11 |
| Maximum velocities (exceeding 24 miles) direction and time | | | | | | | | | | | | | | | | | | | | | | | | |

Wind data corrected to true velocity.

| Total duration. From— | To— | Total amount of precipitation. | Excessive rate. Began— | Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | | | | | |

Excessive precipitation, accumulated amounts

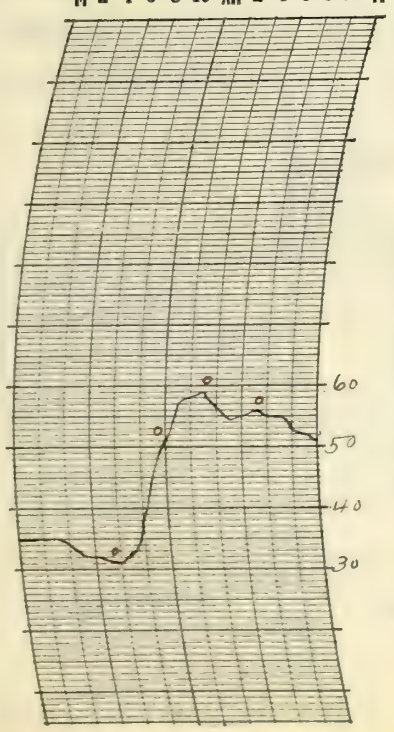
| Maximum Temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 59 | 31 | 45 | |

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Clear Moon phase,
Average daily cloudiness (0-10), Few
Actual sunshine, hours, 9.2 Possible sunshine, hours, 9.2
Per cent of possible sunshine, 100
Prevailing wind direction, W Total wind, 220
Average hourly velocity, 9.2 Extreme velocity, 22
Maximum velocity, 21 Direction, SW
Time began, 8:21 p.m.
Reduced barometer, 29.88 7 a. m. 29.61 7 p. m.
River gage, 2.3 feet
Relative humidity, 95 7 a. m. 55 7 p. m.

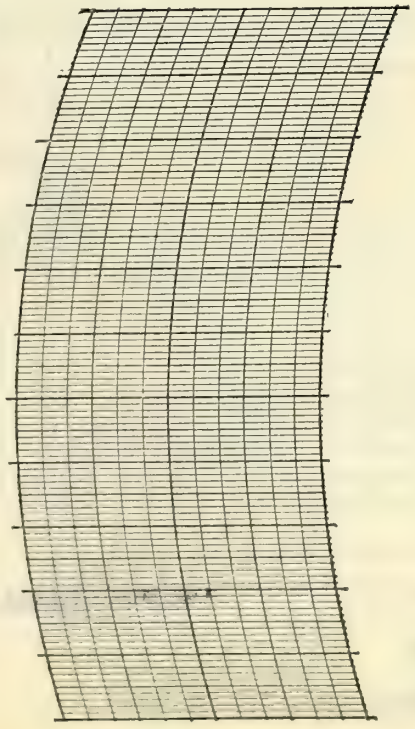
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 51.4 Wet temperature, 45.9
Dew-point, 40 R. humidity, 66 V. pressure, .247
Clouds: Amount, 0; Kind, —; Direction, —
Velocity of clouds (miles per hour)

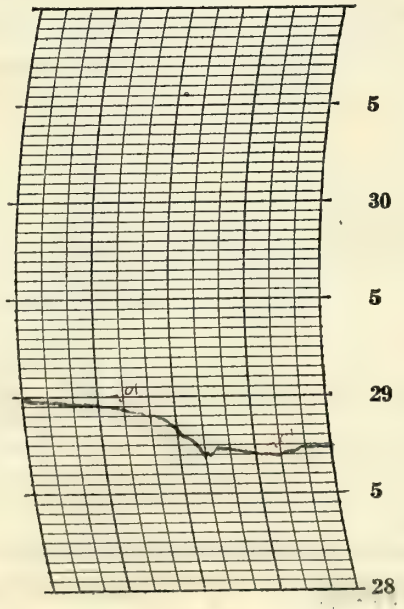
THERMOGRAPH




THERMOGRAPH




BAROGRAPH.




Prepared by L C J

Verified by

8—486

## NOTES

Local smoke in a.m. early
Flying conditions good all day.

Form No. 1014—Met'l

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Sunday, (Date) DEC 24 1933, 193

Time (local standard) 90 mer. normal time. 51

| | A.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 | P.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Temperature at end of hour | 49 | 48 | 50 | 50 | 51 | 51 | 52 | 52 | 53 | 54 | 50 | 49 | 38 | 38 | 36 | 34 | 32 | 31 | 31 | 30 | 29 | 29 | 29 | 28 |
| State of weather. Nature of precipitation and time of beginning and ending | | | | | | | | | RB 8:40 | RE 9:30 | RB 10:50 | | | | | RE 3:15 | | | | SM B 7:05 SME 7:10 | | | | |
| Amounts of precipitation | | | | | | | | | — | — | — | | — | — | — | — | | | | — | | | | |
| Cloudiness and other conditions | | | | | | | ← | | | | | Cloudy | → | | | | | | | | | | | |
| | Sunrise: Time, 7:04 Character, Cloudy Moonrise: | | | | | | St Cu | | | | | St | | | | | | | St Cu | | Sunset: Time, 4:18 Character, Cloudy Moonset: | | | |
| Sunshine (in tenths of hours) | | | | | | | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | | |
| Wind direction | SW | SW | SW | SW | SW | SW | SW | S | SW | SW | W | W | NW | NW | NW | NW | NW | NW | NW | NW | NW | NW | NW | W |
| Wind movement | 9 | 9 | 11 | 11 | 10 | 9 | 7 | 9 | 12 | 12 | 13 | 15 | 14 | 15 | 16 | 19 | 19 | 17 | 15 | 17 | 17 | 15 | 14 | 13 |
| Maximum velocities (exceeding 24 miles) direction and time | | | | | | | | | | | | | | | | | | | | | | | | |

Wind data corrected to true velocity.

| Total duration. From— | To— | Total amount of precipitation. | Excessive rate. Began— | Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | | | | | |

Excessive precipitation, accumulated amounts

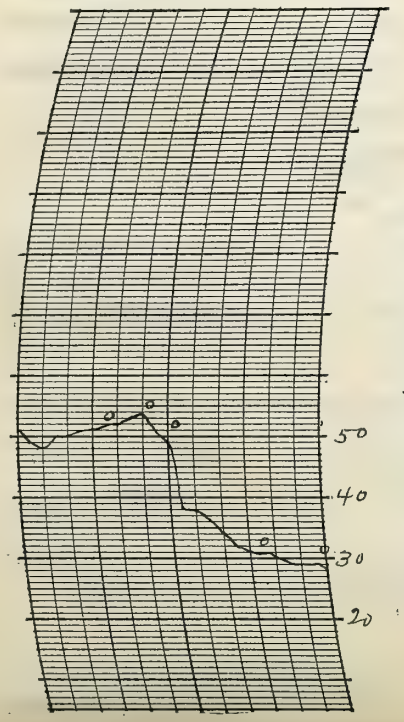
| Maximum Temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 54 | 28 | 41 | |

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, T inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., T ins.
Total precipitation, midnight to midnight, T inches.
Character of day, Cloudy Moon phase,
Average daily cloudiness (0-10), 10
Actual sunshine, hours, 0 Possible sunshine, hours, 9.2
Per cent of possible sunshine, 0
Prevailing wind direction, NW Total wind, 318
Average hourly velocity, 13.2 Extreme velocity, 25
Maximum velocity, 23 Direction, NW
Time began, 4:42 P.M
Reduced barometer, 29.66 7 a. m. 30.03 7 p. m.
River gage, 2.1 feet
Relative humidity, 88 7 a. m. 89 7 p. m.

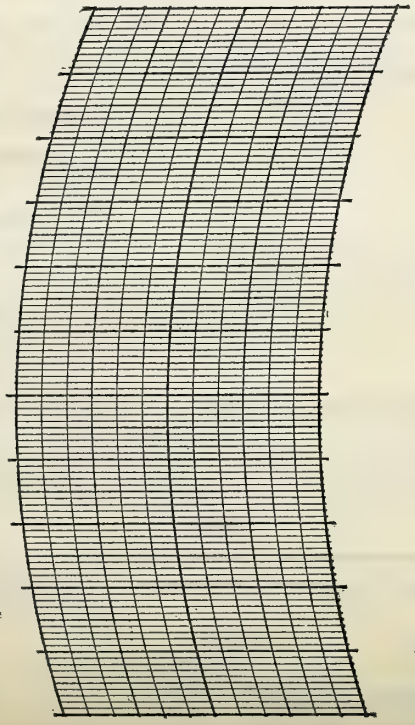
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 49.1 Wet temperature, 47.6
Dew-point, 46 R. humidity, 90 V. pressure, .310
Clouds: Amount, 10; Kind, St; Direction, W
Velocity of clouds (miles per hour)

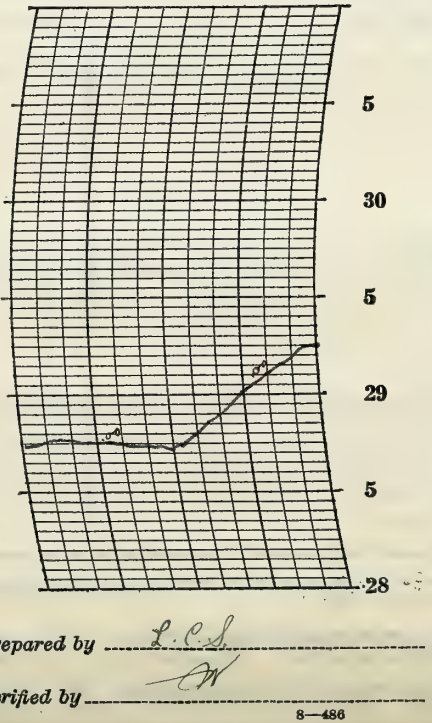
THERMOGRAPH




THERMOGRAPH




BAROGRAPH.




Prepared by L. C. S.

Verified by

8—486

## NOTES

Cold Wave Warning received and called to Newspapers, radio and special list about 8:30 a.m.

Flying Conditions very good all day

Form No. 1014—Met'l

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

Form No. 1014—Met'1

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Monday, (Date) DEC 25 1933, 193

Christmas

Time (local standard) 90 mer. normal time.

| | A.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 | P.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 28 Temperature at end of hour | 27 | 25 | 25 | 25 | 24 | 23 | 22 | 20 | 20 | 20 | 22 | 22 | 22 | 23 | 23 | 23 | 23 | 23 | 24 | 24 | 24 | 22 | 22 | 21 |
| State of weather. Nature of precipitation and time of beginning and ending | | | | | | SDB 5:45 | | SDE 7:15 | | | | | | | | | | | | | SDB 8:30 | | | 30 Cont'd |
| Amounts of precipitation | | | | | | — | — | — | | | | | | | | | | | | | — | — | — | — |
| Cloudiness and other conditions | | | | | | ← | | | | | | Cloudy | → | | | | | | | | ← | | | |
| | Sunrise: Time, 7:05 Character, Cloudy Moonrise: | | | | | | | St+Cu | | | | St+Cu | | | | | | | St | | Sunset: Time, 4:18 Character, Cloudy Moonset: | | | |
| Sunshine (in tenths of hours) | | | | | | | | 0 | 0.3 | 1.0 | 0.9 | 0.7 | 0 | 0 | 0 | 0 | 0 | | | | | | | |
| Wind direction | NW | NW | W | W | NW | W | W | W | NW | NW | NW | N | NW | W | W | NE | NE | E | E | E | E | NE | NE | E |
| Wind movement | 13 | 14 | 12 | 12 | 12 | 12 | 12 | 10 | 9 | 9 | 6 | 6 | 8 | 4 | 5 | 7 | 7 | 9 | 8 | 8 | 7 | 9 | 9 | 9 |
| Maximum velocities (exceeding 24 miles) direction and time | | | | | | | | | | | | | | | | | | | | | | | | |

Wind data corrected to true velocity.

| | Total duration. From— | To— | Total amount of precipitation. | Excessive rate. Began— | Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Excessive precipitation, accumulated amounts | | | | | | | | | | | | | | | | | | | | |

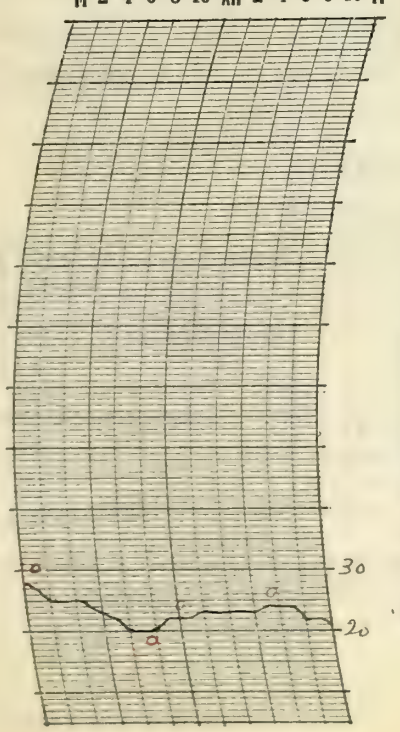
| Maximum Temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 28 | 20 | 24 | |

Total depth of snow for 24 hours ending 7 p. m., T inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, x 0.5 inches.
Precipitation to 7 a. m., T ins.; to 7 p. m., T ins.
Total precipitation, midnight to midnight, x .03 inches.
Character of day, Cloudy Moon phase,
Average daily cloudiness (0-10), 9
Actual sunshine, hours, 2.9 Possible sunshine, hours, 9.2
Per cent of possible sunshine, 32
Prevailing wind direction, W+NW Total wind, 217
Average hourly velocity, 9.0 Extreme velocity, 20
Maximum velocity, 18 Direction, W
Time began, 12:57 a.m.
Reduced barometer, 30.46 7 a. m. 30.36 7 p. m.
River gage, 2.1 feet
Relative humidity, 76 7 a. m. 72 7 p. m.

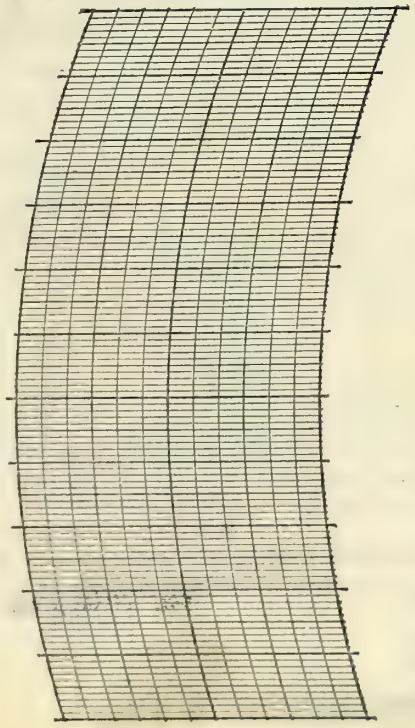
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 22.0 Wet temperature, 19.2
Dew-point, 12 R. humidity, 61 V. pressure, .070
Clouds: Amount, 8; Kind, St+Cu; Direction, NW
Velocity of clouds (miles per hour)

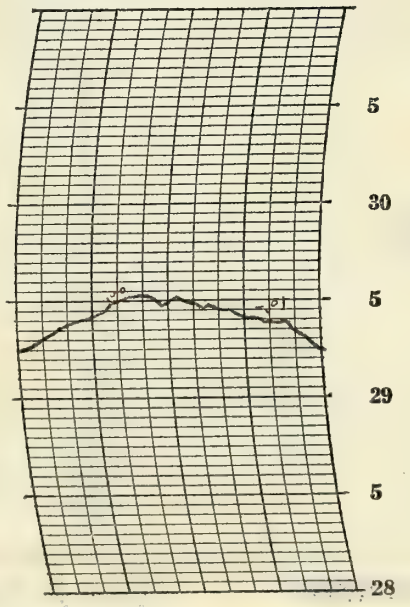
THERMOGRAPH




THERMOGRAPH




BAROGRAPH.




Prepared by L.C.S.

Verified by W

8—486

## NOTES

x Estimated

Flying conditions good to excellent all day

Cold wave Warning did not verify as lowest to 7:00 a.m. was 22 degrees

Streets became slippery about 10:00 p.m. from the snow

Form No. 1014—Met'l

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Tuesday, (Date) DEC 26 1933, 193

| Time (local standard) 90 mer. normal time. | A.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 | P.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Temperature at end of hour (21) | 21 | 21 | 20 | 19 | 19 | 19 | 19 | 18 | 19 | 19 | 18 | 17 | 15 | 17 | 16 | 15 | 13 | 10 | 8 | 7 | 5 | 3 | 2 | 0 |
| State of weather. Nature of precipitation and time of beginning and ending | | | | | | | | | | | | | SDE 12:10 | | | SDB 3:15 SDE 4:15 | | | | | | | | |
| Amounts of precipitation | – | – | – | – | – | – | – | – | – | – | – | – | – | | | – | | | | | | | | |
| Cloudiness and other conditions | ← Cloudy → | | | | | | | | | | | | x Pt Cdy | Clear | x Pt Cdy | x Cdy x | | Pt Cloudy | x Clear → | | | | | |
| Sunrise: Time, 7:05 Character, Cloudy. Moonrise: | | | | | | | St | | | | | St | | | | | | Ci + Ac | | | Sunset: Time, 4:19 Character, Cloudy. Moonset: | | | |
| Sunshine (in tenths of hours) | | | | | | | | 0 | 0 | 0 | 0 | 0.2 | 1.0 | 1.0 | 0.6 | 0 | 0 | | | | | | | |
| Wind direction | NE | NE | NE | NE | NE | NE | NE | NE | E | NW | NW | NW | NW | NW | NW | NW | NW | NW | W | W | W | W | W | W |
| Wind movement | 9 | 8 | 9 | 10 | 10 | 9 | 9 | 6 | 5 | 9 | 11 | 15 | 15 | 16 | 15 | 15 | 17 | 16 | 16 | 16 | 14 | 11 | 12 | 13 |
| Maximum velocities (exceeding 24 miles) direction and time | | | | | | | | | | | | | | | | | | | | | | | | |

Wind data corrected to true velocity.

| Total duration. From— | To— | Total amount of precipitation. | Excessive rate. Began— | Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | | | | | |

Excessive precipitation, accumulated amounts

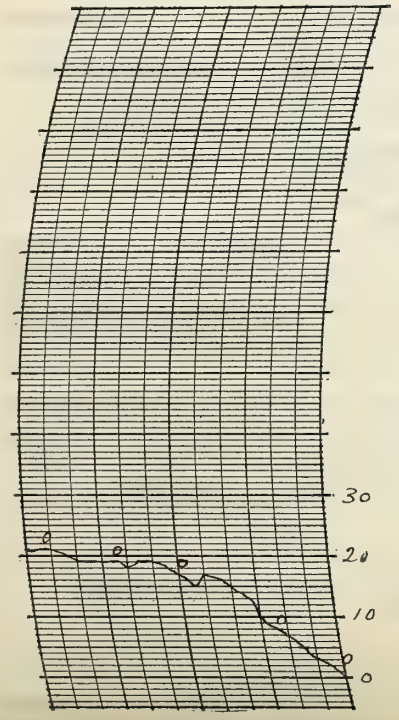
| Maximum Temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 21 | 0 x | 10 | |

Total depth of snow for 24 hours ending 7 p. m., 3.6 inches.
Snow, sleet, and hail on ground 7 p. m., 3.6 inches.
Total snowfall, midnight to midnight, x3.1 inches.
Precipitation to 7 a. m., .12 ins.; to 7 p. m., .08 ins.
Total precipitation, midnight to midnight, x.17 inches.
Character of day, Cloudy. Moon phase,
Average daily cloudiness (0-10), 8
Actual sunshine, hours, 2.8 Possible sunshine, hours, 9.2
Per cent of possible sunshine, 30
Prevailing wind direction, NW Total wind, 286
Average hourly velocity, 11.9 Extreme velocity, 24
Maximum velocity, 22 Direction, NW
Time began, 3:48 P. M.
Reduced barometer, 30.03 7a. m. 30.39 7p. m.
River gage, 2.0 feet
Relative humidity, 85 7a. m. 91 7p. m.

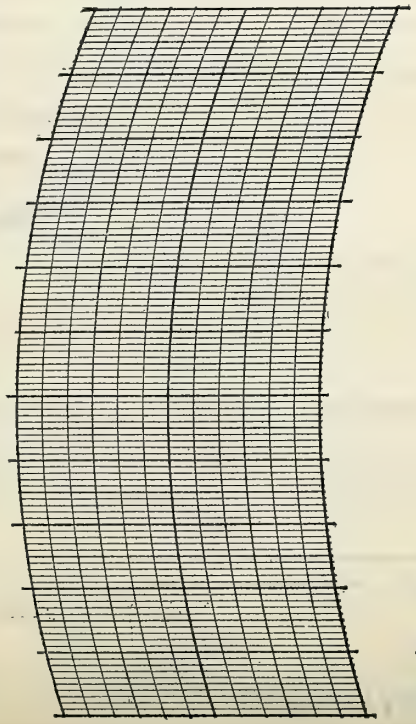
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 17.2 Wet temperature, 16.4
Dew-point, 14 R. humidity, 87 V. pressure, .027
Clouds: Amount, 10; Kind, St; Direction, NW
Velocity of clouds (miles per hour)

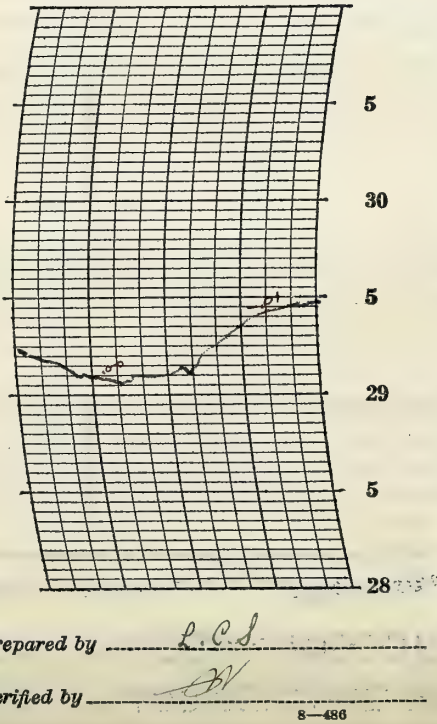
THERMOGRAPH




THERMOGRAPH




BAROGRAPH.




Prepared by L.C.S.

Verified by

8—486

## NOTES

Warning of severe cold wave received and released to newspapers, radio stations, published on daily bulletin and called to special list about 9:00 a.m.

Streets slippery all day.

x Interpolated. Clock stopped

x Estimated

Flying conditions fairs.

Form No. 1014—Met'1

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Wednesday, (Date) DEC 27 1933, 193

Time (local standard) 90 mer. normal time.

| | A.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 | P.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Temperature at end of hour | -1 | -2 | -2 | -3 | -4 | -3 | -3 | -4 | -2 | 2 | 3 | 5 | 7 | 7 | 7 | 7 | 6 | 6 | 6 | 6 | 6 | 7 | 6 | 6 |
| State of weather. Nature of precipitation and time of beginning and ending | SDS O.N.A SDE O.N.A | | | | | | | | | | | | | | | | | | | | | | | |
| Amounts of precipitation | — | | | | | | | | | | | | | | | | | | | | | | | |
| Cloudiness and other conditions | | | | | | ← | | Clear | | Pt cldy | | Cloudy St | | | | Pt cldy | | Cloudy St | | → | | | | |
| Sunshine (in tenths of hours) | | | | | | | | .92 0 | 0.1 0.9 | 1.0 | 1.0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | | |
| Wind direction | W | W | W | W | W | W | W | SW | W | W | W | W | W | W | W | SW | SW | SW | SW | SW | SW | SW | S | S |
| Wind movement | 11 | 10 | 10 | 10 | 11 | 12 | 8 | 9 | 11 | 10 | 12 | 10 | 11 | 10 | 10 | 8 | 8 | 8 | 9 | 9 | 7 | 7 | 7 | 7 |
| Maximum velocities (exceeding 24 miles) direction and time | | | | | | | | | | | | | | | | | | | | | | | | |

Sunrise: Time, 7:05 Character, Clear. Moonrise:

Sunset: Time, 4:19 Character, Cloudy. Moonset:

| Maximum Temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 7 | -4 | 2 | |

Total depth of snow for 24 hours ending 7 p. m., T inches.
Snow, sleet, and hail on ground 7 p. m., 3.4 inches.
Total snowfall, midnight to midnight, T inches.
Precipitation to 7 a. m., T ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, T inches.
Character of day, Pt Cloudy Moon phase,
Average daily cloudiness (0-10), 6
Actual sunshine, hours, 3.9 Possible sunshine, hours, 9.2
Per cent of possible sunshine, 42
Prevailing wind direction, W Total wind, 225
Average hourly velocity, 9.4 Extreme velocity, 16
Maximum velocity, 15 Direction, W
Time began, 10:17a.m.
Reduced barometer, 30.57 7 a. m. 30.54 7 p. m.
River gage, 2.0 feet
Relative humidity, 85 7 a. m. 55 7 p. m.

Wind data corrected to true velocity.

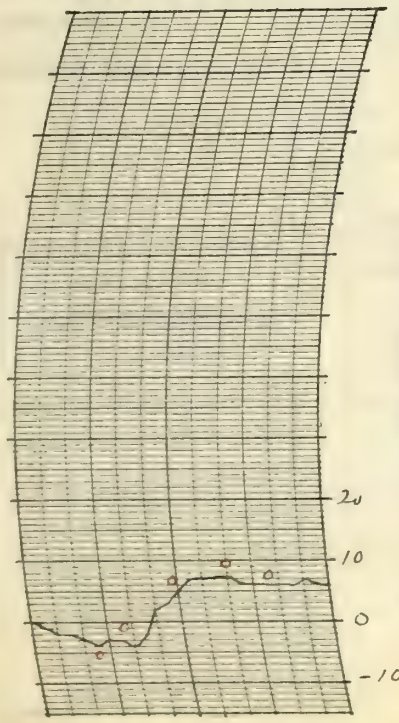
| Total duration. From— | To— | Total amount of precipitation. | Excessive rate. Began— | Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | | | | | |

Excessive precipitation, accumulated amounts

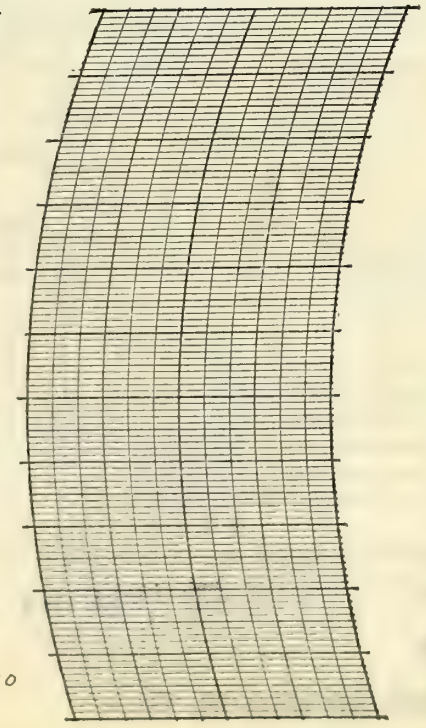
OBSERVATIONS AT 12 NOON. (Local Mean Time.)

Dry temperature, 5.0 Wet temperature, 3.8
Dew-point, -2 R. humidity, 69 V. pressure, .034
Clouds: Amount, 10; Kind, St; Direction, W
Velocity of clouds (miles per hour)

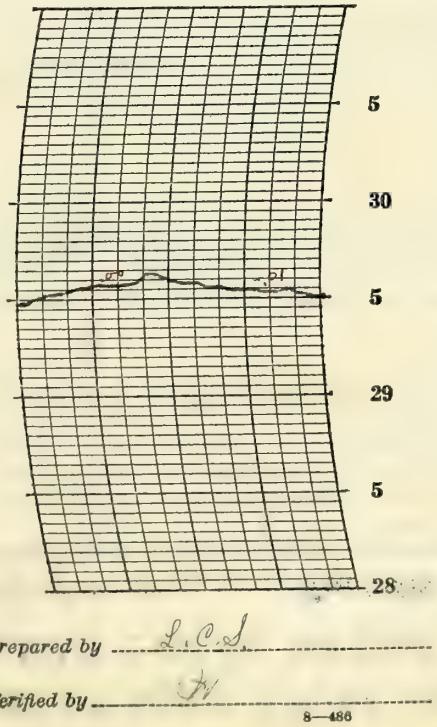
THERMOGRAPH




THERMOGRAPH




BAROGRAPH.




Prepared by L.C.S.

Verified by

8—486

## NOTES

Warning of severe cold Wave fully verified

& Interpolated Clock stopped

Temperatures from 7:00 a.m to 6 or p.m are actual eye readings taken ever hour while thermograph was being repaired (clock cleaned.)

Flying conditions Good all day.

Form No. 1014—Met'l

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Thursday, (Date) DEC 28 1933, 193

Time (local standard) 90 mer. normal time.

| | A.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 | P.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Temperature at end of hour 6 | 6 | 6 | 5 | 5 | 4 | 4 | 4 | 5 | 8 | 12 SDB 9:25 | 15 SDE 11:00 | 16 | 18 | 20 SDB 1:25 | 19 | 18 SDE 4:00 | 17 | 16 | 16 | 15 | 14 | 12 | 11 | 10 |
| State of weather: Nature of precipitation and time of beginning and ending | | | | | | | | | | — | — | | | — | — | — | | | | | | | | |
| Amounts of precipitation | | | | | | | | | | | | | | | | | | | | | | | | |
| Cloudiness and other conditions | | | | | | ← Clear → | | Pt Cldy | × Cloudy | | × Pt Cldy | | × Cloudy → | | | | | | St | | | | | |
| | | | | | | | Ci | | | | Ci St | | Ci St | | | | | | | | | | | |
| Sunshine (in tenths of hours) | | | | | | | | 9.0 0 | 0.6 0.4 | 0.4 | 0.8 | 1.0 | 1.0 | 0.9 | 0 | 0 | 0 | | | | | | | |
| Wind direction | SW | SW | SW | W | W | W | SW | SW | W | W | W | W | W | W | NW | NW | NW | NW | NW | N | N | NE | NE | NE |
| Wind movement | 7 | 5 | 7 | 8 | 8 | 8 | 7 | 9 | 10 | 11 | 9 | 12 | 12 | 11 | 11 | 11 | 12 | 9 | 9 | 9 | 9 | 9 | 9 | 9 |
| Maximum velocities (exceeding 24 miles) direction and time | | | | | | | | | | | | | | | | | | | | | | | | |

Sunrise: Time, 7:06 Character, Clear
Moonrise:
Sunset: Time, 4:20 Character, Cloudy
Moonset:

Wind data corrected to true velocity.

| Total duration. From— | To— | Total amount of precipitation. | Excessive rate. Began— | Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | | | | | |

Excessive precipitation, accumulated amounts

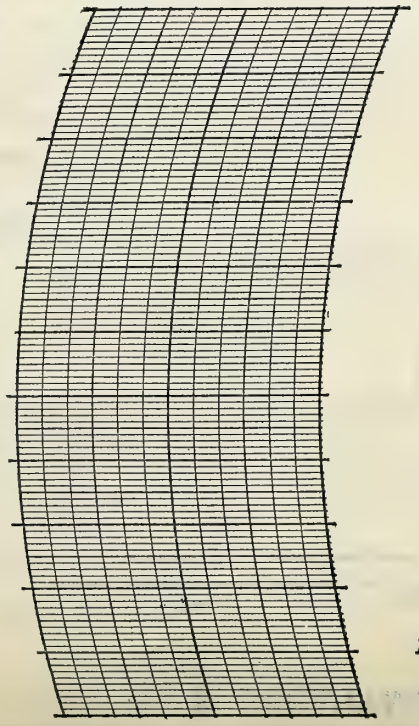
| Maximum Temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 20 | 3 | 12 | |

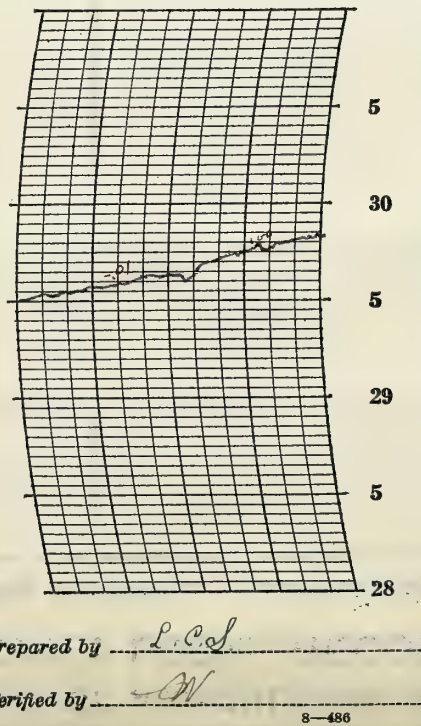
Total depth of snow for 24 hours ending 7 p. m., T inches.
Snow, sleet, and hail on ground 7 p. m., 3.0 inches.
Total snowfall, midnight to midnight, T inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., T ins.
Total precipitation, midnight to midnight, T inches.
Character of day, Pt Cloudy Moon phase,
Average daily cloudiness (0-10), 7
Actual sunshine, hours, 6.0 Possible sunshine, hours, 9.2
Per cent of possible sunshine, 65
Prevailing wind direction, W Total wind, 221
Average hourly velocity, 9.2 Extreme velocity,
Maximum velocity, 15 Direction, NW
Time began, 2:17 P.M.
Reduced barometer, 30.56 7 a. m. 30.79 7 p. m.
River gage, 1.8 feet
Relative humidity, 78 7 a. m. 73 7 p. m.

OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 15.8 Wet temperature, 14.0
Dew-point, 9 R. humidity, 70 V. pressure, .060
Clouds: Amount, 4/3 Ci; Kind, Ci St; Direction, W
Velocity of clouds (miles per hour)

THERMOGRAPH
M 2 4 6 8 10 XII 2 4 6 8 10 M
20
10
0




Prepared by L. C. S.
Verified by W

8—486

## NOTES

Light local smoke in a M.
Flying conditions very good.
Streets slippery in spots all day.

Form No. 1014—Met'1

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Friday, (Date) DEC 29 1933, 193

Time (local standard) 90 mer. normal time.

| | A.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 | P.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Temperature at end of hour (10) | 10 | 10 | 9 | 9 | 8 | 8 | 7 | 7 | 8 | 9 | 10 | 11 | 13 | 14 | 15 | 14 | 14 | 13 | 12 | 12 | 12 | 13 | 14 | 14 |
| State of weather. Nature of precipitation and time of beginning and ending | | | | | | ← Cloudy | | × Partly cloudy | | × | | Clear | | | × | | Partly | Cloudy | | | > | | | |
| Amounts of precipitation | | | | | | | | | | | | | | | | | | | | | | | | |
| Cloudiness and other conditions | | | | | | | | ac | cu | + | st | | ci | cu | | + | ci | | | | | | | |
| Sunshine (in tenths of hours) | | | | | | | | 0 | 0.9 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 0.4 | 0 | | | | | | | |
| Wind direction | NE | NE | NE | NE | NE | E | E | E | E | E | E | E | E | E | E | E | E | E | E | E | E | E | E | E |
| Wind movement | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 10 | 9 | 12 | 12 | 12 | 12 | 10 | 9 | 7 | 8 | 8 | 7 | 9 | 8 | 8 |
| Maximum velocities (exceeding 24 miles) direction and time | | | | | | | | | | | | | | | | | | | | | | | | |

Sunrise: Time, 7:06 Character, Cloudy. Moonrise:

Sunset: Time, 4:21 Character, Cloudy. Moonset:

Wind data corrected to true velocity.

| Total duration. From— | To— | Total amount of precipitation. | Excessive rate. Began— | Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | | | | | |

Excessive precipitation, accumulated amounts

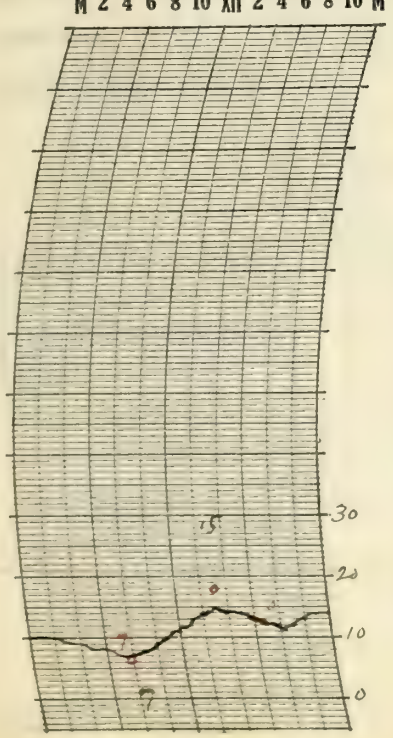
| Maximum Temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 15 | 7 | 11 | |

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 2.8 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Partly Cloudy Moon phase,
Average daily cloudiness (0-10), 5
Actual sunshine, hours, 7.3 Possible sunshine, hours, 9.2
Per cent of possible sunshine, 79
Prevailing wind direction, E Total wind, 221
Average hourly velocity, 9.2 Extreme velocity, 18
Maximum velocity, 17 Direction, E
Time began, 12:12 p.m.
Reduced barometer, 30.85 7 a. m. 30.64 7 p. m.
River gage, 1.3 feet
Relative humidity, 74 7 a. m. 80 7 p. m.

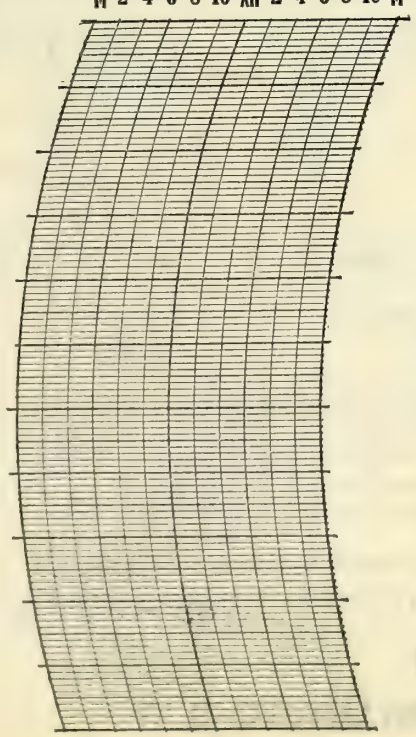
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 11.4 Wet temperature, 10.0
Dew-point, 5 R. humidity, 71 V. pressure, .049
Clouds: Amount, 1; Kind, Ci Cu; Direction, ?
Velocity of clouds (miles per hour)

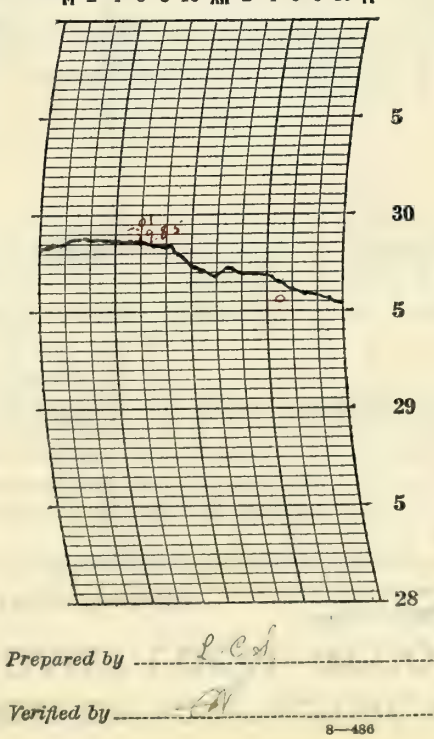
THERMOGRAPH




THERMOGRAPH




BAROGRAPH.




Prepared by L. C. S.

Verified by

8—486

## NOTES

Flying conditions good.

Form No. 1014—Met'l

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Saturday, (Date) DEC 30 1933, 193

Time (local standard) 90 mer. normal time.

| | A.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 | P.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Temperature at end of hour | 14 | 14 | 15 | 17 | 19 | 21 | 24 | 27 | 30 | 33 | 36 | 39 | 40 | 42 | 43 | 43 | 43 | 44 | 44 | 44 | 45 | 44 | 43 | 42 |
| State of weather. Nature of precipitation and time of beginning and ending | | | | | RB 4 E DN very light 4:57 | | | | RB 8:45 very light mist | | RE 10:30 | | | | | | | | | | | | RB DN light mist | |
| Amounts of precipitation | | | | | – | | | | – | – | | | | | | | | | | | | | – | – |
| Cloudiness and other conditions | | | | | | | | | Cloudy | | | | | Partly Cloudy | | | Cloudy | | | | | | | |
| Sunshine (in tenths of hours) | | | | | | | | 0 | 0 | 0 | 0 | 0.3 | 1.0 | 0.5 | 0.6 | 0 | 0 | | | | | | | |
| Wind direction | SE | E | E | SE | SE | SE | S | S | SW | SW | SW | SW | SW | SW | SW | SW | SW | SW | SW | SW | SW | SW | SW | SW |
| Wind movement | 9 | 9 | 7 | 7 | 8 | 9 | 10 | 12 | 15 | 16 | 16 | 19 | 18 | 18 | 18 | 19 | 17 | 14 | 13 | 13 | 13 | 15 | 13 | 12 |
| Maximum velocities (exceeding 24 miles) direction and time | | | | | | | | | | | | | | | | | | | | | | | | |

Sunrise: Time, 7:06 Character, Cloudy
Moonrise:

Sunset: Time, 4:22 Character, Cloudy
Moonset:

Wind data corrected to true velocity.

| Total duration. From— | To— | Total amount of precipitation. | Excessive rate. Began— | Ended— | Amount before excessive began. |
|---|---|---|---|---|---|
| | | | | | |

Accumulated depths during excessive rate, for consecutive periods of time indicated below.

| 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | |

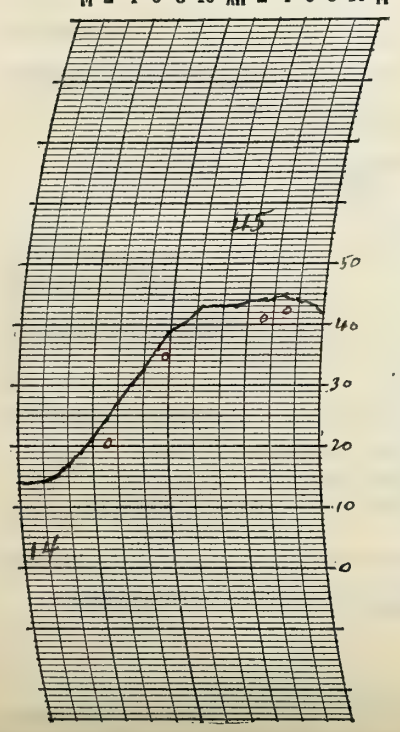
Excessive precipitation, accumulated amounts

| Maximum Temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 45 | 14 | 30 | |

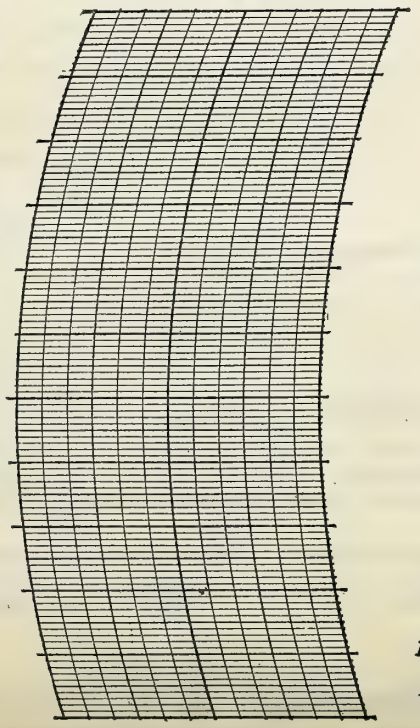
Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., T inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., T ins.; to 7 p. m., T ins.
Total precipitation, midnight to midnight, T inches.
Character of day, Cloudy Moon phase,
Average daily cloudiness (0-10), 9
Actual sunshine, hours, 2.4 Possible sunshine, hours, 9.3
Per cent of possible sunshine, 26
Prevailing wind direction, SW Total wind, 320
Average hourly velocity, 13.3 Extreme velocity, 24
Maximum velocity, 21 Direction, SW
Time began, 1:01 p.m.
Reduced barometer, 30.33 7a. m. 30.13 7p. m.
River gage, 0.9 feet
Relative humidity, 74 7a. m. 74 7p. m.

OBSERVATIONS AT 12 NOON.
(Local Mean Time.)
Dry temperature, 38.8 Wet temperature, 36.3
Dew-point, 33 R. humidity, 80 V. pressure, .187
Clouds: Amount, 10; Kind, St; Direction, SW
~~Velocity of clouds (miles per hour)~~

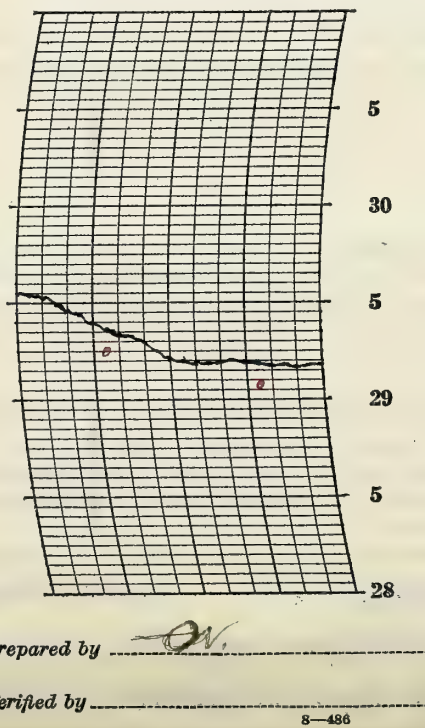
THERMOGRAPH




THERMOGRAPH




BAROGRAPH.




*Prepared by* W.

*Verified by*

8—486

## NOTES

Flying conditions no better than fair

Form No. 1014—Met'l

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Sunday, (Date) DEC 31 1933, 193

Time (local standard) 90 mer. normal time.

| | A.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 | P.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Temperature at end of hour | 42 | 40 | 41 | 42 | 42 | 43 | 44 | 44 | 44 | 45 | 46 | 47 | 48 | 49 | 50 | 50 | 51 | 51 | 52 | 52 | 53 | 53 | 52 | 52 | 52 |
| State of weather. Nature of precipitation and time of beginning and ending | | RE DN | | | | | | | | | RB 1005 misting | RE 1150 | | RB 100 | | misting | rain | | RE 640 | | RB 800 | mist and light rain. | | |
| Amounts of precipitation | | — | | | | | | | | | — | — | | — | — | — | — | — | — | — | — | — | — | — |
| Cloudiness and other conditions | | | | | | ← Stratus clouds all day | | | | | ← Cloudy | | | ← Light fog | | | → | | | | | → | | |
| Sunshine (in tenths of hours) | | | | | | | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | | | |
| Wind direction | SW | S | SW | SW | SW | SW | SW | S | S | S | S | S | S | SW | S | S | S | S | SW | SW | SW | SW | SW | SW | SW |
| Wind movement | 9 | 9 | 10 | 12 | 12 | 13 | 11 | 10 | 11 | 13 | 12 | 14 | 15 | 14 | 13 | 12 | 12 | 12 | 14 | 12 | 12 | 10 | 10 | 8 |
| Maximum velocities (exceeding 24 miles) direction and time | | | | | | | | | | | | | | | | | | | | | | | | |

Sunrise: Time, 7:06 Character, Cloudy. Moonrise: ——

Sunset: Time, 4:22 Character, Cloudy. Moonset: ——

Wind data corrected to true velocity.

| Total duration. From— | To— | Total amount of precipitation. | Excessive rate. Began— | Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | | | | | |

Excessive precipitation, accumulated amounts

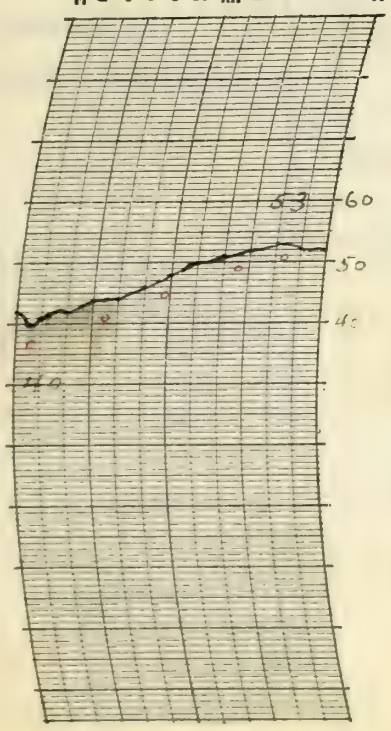
| Maximum Temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| 53 | 40 | 46 | |

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., T ins.; to 7 p. m., .02 ins.
Total precipitation, midnight to midnight, .05 inches.
Character of day, Cloudy Moon phase, —
Average daily cloudiness (0-10), 10
Actual sunshine, hours, 0 Possible sunshine, hours, 9.3
Per cent of possible sunshine, 0
Prevailing wind direction, SW Total wind, 280
Average hourly velocity, 11.7 Extreme velocity, 18
Maximum velocity, 18 Direction, SW
Time began, 12:25 p.m. —
Reduced barometer, 30.04 7 a. m. 29.79 7 p. m.
River gage, feet
Relative humidity, 89 7 a. m. 95 7 p. m.

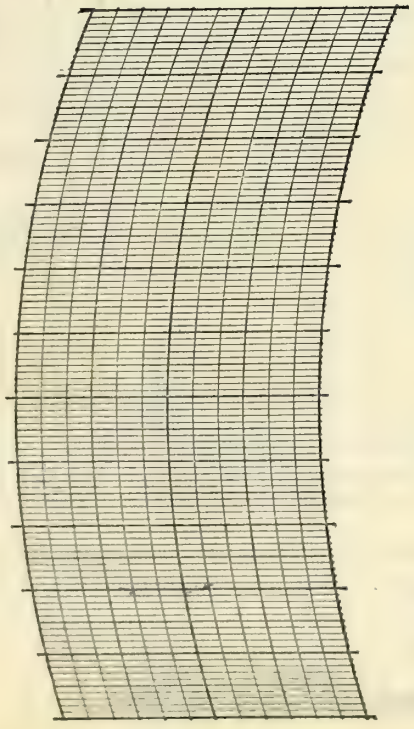
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 47.9 Wet temperature, 47.4
Dew-point, 47 R. humidity, 96 V. pressure, .322
Clouds: Amount, 10 ; Kind, St. Fog ; Direction, SW
~~Velocity of clouds (miles per hour)~~

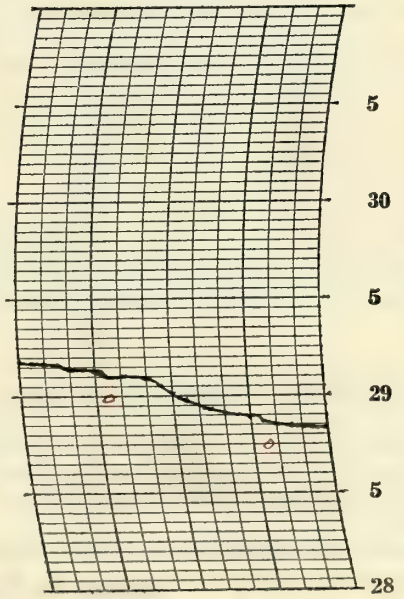
THERMOGRAPH




THERMOGRAPH




BAROGRAPH.




Prepared by [signature]

Verified by ——

8—486

NOTES ∅ Estimated: continued past midnight.

Low stratus clouds, misting rain, and light fog from 10¹⁵ am to 4⁴⁰ pm. made flying conditions poor.

Cold wave warnings "severe cold wave Monday," received with the morning forecast, & distributed by phone & radio.

Form No. 1014—Met'l

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

*(Station)* _____, *(Day of week)* _____, *(Date)* _____, *193*

Time (local standard) _____ mer. normal time.

| | A. M. | | | | | | | | | | | | P. M. | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 12–1 | 1–2 | 2–3 | 3–4 | 4–5 | 5–6 | 6–7 | 7–8 | 8–9 | 9–10 | 10–11 | 11–12 | 12–1 | 1–2 | 2–3 | 3–4 | 4–5 | 5–6 | 6–7 | 7–8 | 8–9 | 9–10 | 10–11 | 11–12 |
| Temperature at end of hour | | | | | | | | | | | | | | | | | | | | | | | | |
| State of weather. Nature of precipitation and time of beginning and ending | | | | | | | | | | | | | | | | | | | | | | | | |
| State of weather. Amounts of precipitation | | | | | | | | | | | | | | | | | | | | | | | | |
| State of weather. Cloudiness and other conditions | | | | | | | | | | | | | | | | | | | | | | | | |
| | Sunrise: Time, Character, _____ _____ Moonrise: _____ _____ | | | | | | | | | | | | | | | | | | | | Sunset: Time, Character, _____ _____ Moonset: _____ _____ | | | |
| Sunshine (in tenths of hours) | | | | | | | | | | | | | | | | | | | | | | | | |
| Wind direction | | | | | | | | | | | | | | | | | | | | | | | | |
| Wind movement | | | | | | | | | | | | | | | | | | | | | | | | |
| Maximum velocities (exceeding _____ miles) direction and time | | | | | | | | | | | | | | | | | | | | | | | | |

| Wind data corrected to true velocity. | Total duration. | | Total amount of precipitation. | Excessive rate. | | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | From— | To— | | Began— | Ended— | | 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
| Excessive precipitation, accumulated amounts | | | | | | | | | | | | | | | | | | | | |

| Maximum Temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| | | | |

Total depth of snow for 24 hours ending _____ p. m., _____ inches.

Snow, sleet, and hail on ground _____ p. m., _____ inches.

Total snowfall, midnight to midnight, _____ inches.

Precipitation to _____ a. m., _____ ins.; to _____ p. m., _____ ins.

Total precipitation, midnight to midnight, _____ inches.

Character of day, _____ Moon phase, _____

Average daily cloudiness (0–10), _____

Actual sunshine, hours, _____ Possible sunshine, hours, _____

Per cent of possible sunshine, _____

Prevailing wind direction, _____ Total wind, _____

Average hourly velocity, _____ Extreme velocity, _____

Maximum velocity, _____ Direction, _____

Time began, _____ _____

Reduced barometer, _____ a. m. _____ p. m.

River gage, _____

Relative humidity, _____ a. m. _____ p. m.

OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, _____ Wet temperature, _____

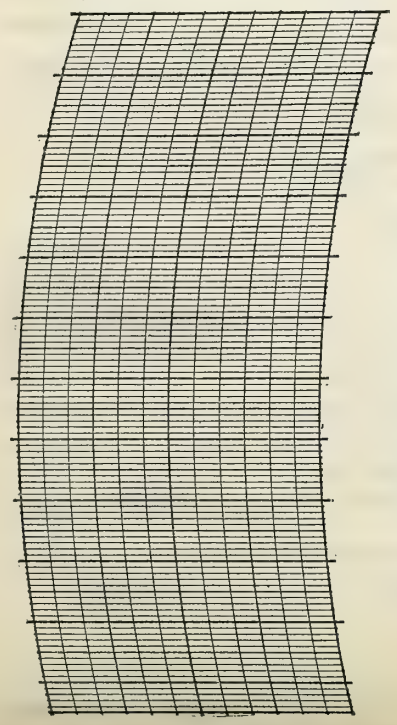
Dew-point, _____ R. humidity, _____ V. pressure, _____

Clouds: Amount, _____; Kind, _____; Direction, _____

Velocity of clouds (miles per hour) _____

THERMOGRAPH

M 2 4 6 8 10 XII 2 4 6 8 10 M



THERMOGRAPH

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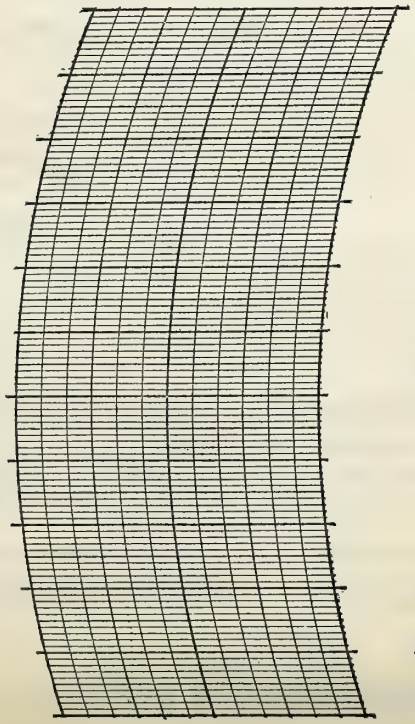
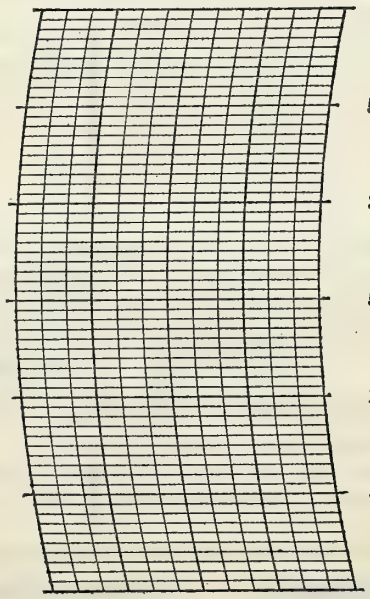


BAROGRAPH.

M 2 4 6 8 10 XII 2 4 6 8 10 M




*Prepared by* _____

*Verified by* _____

8—486

## NOTES

Form No. 1014—Met'l

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

# DAILY LOCAL RECORD.

*(Station)* _____, *(Day of week)* _____, *(Date)* _____, *193*

| Time (local standard) ____ mer. normal time. | A.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 | P.M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Temperature at end of hour | | | | | | | | | | | | | | | | | | | | | | | | |
| State of weather. Nature of precipitation and time of beginning and ending | | | | | | | | | | | | | | | | | | | | | | | | |
| State of weather. Amounts of precipitation | | | | | | | | | | | | | | | | | | | | | | | | |
| State of weather. Cloudiness and other conditions | | | | | | | | | | | | | | | | | | | | | | | | |
| | Sunrise: Time, Character, ____ ____ Moonrise: ____ ____ | | | | | | | | | | | | | | | | | | | | Sunset: Time, Character, ____ ____ Moonset: ____ ____ | | | |
| Sunshine (in tenths of hours) | | | | | | | | | | | | | | | | | | | | | | | | |
| Wind direction | | | | | | | | | | | | | | | | | | | | | | | | |
| Wind movement | | | | | | | | | | | | | | | | | | | | | | | | |
| Maximum velocities (exceeding ____ miles) direction and time | | | | | | | | | | | | | | | | | | | | | | | | |

| Wind data corrected to true velocity. | Total duration. From— | To— | Total amount of precipitation. | Excessive rate. Began— | Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Excessive precipitation, accumulated amounts | | | | | | | | | | | | | | | | | | | | |

| Maximum Temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| | | | |

Total depth of snow for 24 hours ending ____ p. m., ____ inches.

Snow, sleet, and hail on ground ____ p. m., ____ inches.

Total snowfall, midnight to midnight, ____ inches.

Precipitation to ____ a. m., ____ ins.; to ____ p. m., ____ ins.

Total precipitation, midnight to midnight, ____ inches.

Character of day, ____ Moon phase, ____

Average daily cloudiness (0-10), ____

Actual sunshine, hours, ____ Possible sunshine, hours, ____

Per cent of possible sunshine, ____

Prevailing wind direction, ____ Total wind, ____

Average hourly velocity, ____ Extreme velocity, ____

Maximum velocity, ____ Direction, ____

Time began, ____ ____

Reduced barometer, ____ a. m. ____ p. m.

River gage, ____

Relative humidity, ____ a. m. ____ p. m.

OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

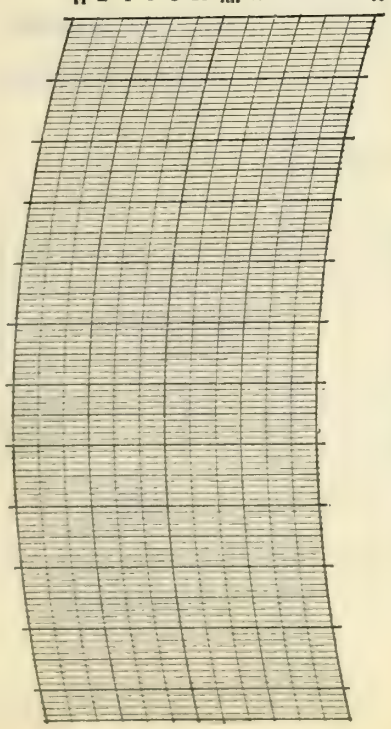
Dry temperature, ____ Wet temperature, ____

Dew-point, ____ R. humidity, ____ V. pressure, ____

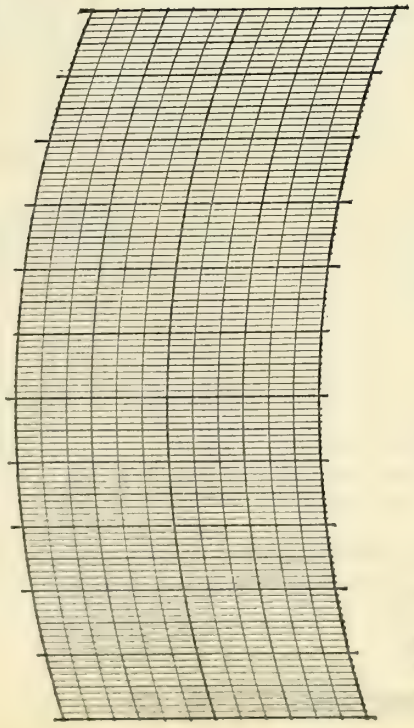
Clouds: Amount, ____; Kind, ____; Direction, ____

Velocity of clouds (miles per hour) ____

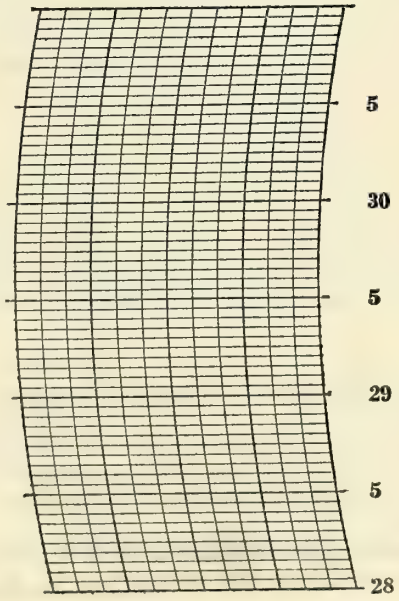
THERMOGRAPH




THERMOGRAPH




BAROGRAPH.




*Prepared by* _____

*Verified by* _____

8—486

## NOTES

Form No. 1014—Met'l

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

# DAILY LOCAL RECORD.

*(Station)* _____, *(Day of week)* _____, *(Date)* _____, *193*

| Time (local standard) ____ mer. normal time. | A. M. 12–1 | 1–2 | 2–3 | 3–4 | 4–5 | 5–6 | 6–7 | 7–8 | 8–9 | 9–10 | 10–11 | 11–12 | P. M. 12–1 | 1–2 | 2–3 | 3–4 | 4–5 | 5–6 | 6–7 | 7–8 | 8–9 | 9–10 | 10–11 | 11–12 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Temperature at end of hour | | | | | | | | | | | | | | | | | | | | | | | | |
| State of weather. Nature of precipitation and time of beginning and ending | | | | | | | | | | | | | | | | | | | | | | | | |
| State of weather. Amounts of precipitation | | | | | | | | | | | | | | | | | | | | | | | | |
| State of weather. Cloudiness and other conditions | | | | | | | | | | | | | | | | | | | | | | | | |
| | Sunrise: Time, Character, ____ ____ Moonrise: ____ ____ | | | | | | | | | | | | | | | | | | | | Sunset: Time, Character, ____ ____ Moonset: ____ ____ | | | |
| Sunshine (in tenths of hours) | | | | | | | | | | | | | | | | | | | | | | | | |
| Wind direction | | | | | | | | | | | | | | | | | | | | | | | | |
| Wind movement | | | | | | | | | | | | | | | | | | | | | | | | |
| Maximum velocities (exceeding ____ miles) direction and time | | | | | | | | | | | | | | | | | | | | | | | | |

| Wind data corrected to true velocity. | Total duration. From— | To— | Total amount of precipitation. | Excessive rate. Began— | Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Excessive precipitation, accumulated amounts | | | | | | | | | | | | | | | | | | | | |

| Maximum Temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| | | | |

Total depth of snow for 24 hours ending ____ p. m., ____ inches.

Snow, sleet, and hail on ground ____ p. m., ____ inches.

Total snowfall, midnight to midnight, ____ inches.

Precipitation to ____ a. m., ____ ins.; to ____ p. m., ____ ins.

Total precipitation, midnight to midnight, ____ inches.

Character of day, ____ Moon phase, ____

Average daily cloudiness (0–10), ____

Actual sunshine, hours, ____ Possible sunshine, hours, ____

Per cent of possible sunshine, ____

Prevailing wind direction, ____ Total wind, ____

Average hourly velocity, ____ Extreme velocity, ____

Maximum velocity, ____ Direction, ____

Time began, ____ ____

Reduced barometer, ____ a. m. ____ p. m.

River gage, ____

Relative humidity, ____ a. m. ____ p. m.

OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, ____ Wet temperature, ____

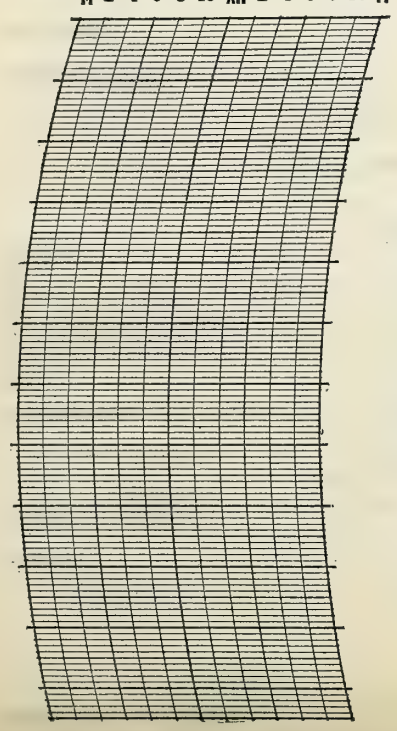
Dew-point, ____ R. humidity, ____ V. pressure, ____

Clouds: Amount, ____; Kind, ____; Direction, ____

Velocity of clouds (miles per hour) ____

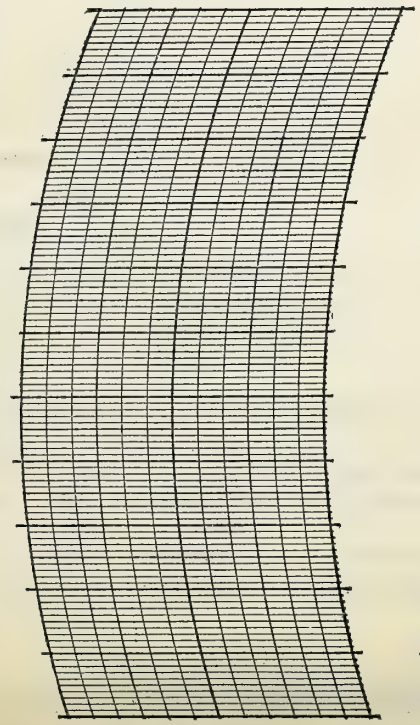
THERMOGRAPH

M 2 4 6 8 10 XII 2 4 6 8 10 M



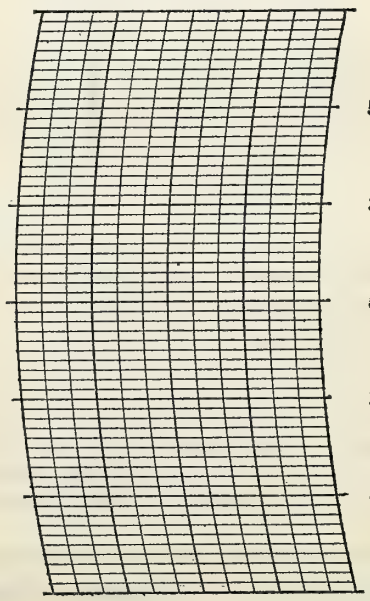
THERMOGRAPH

M 2 4 6 8 10 XII 2 4 6 8 10 M



BAROGRAPH.

M 2 4 6 8 10 XII 2 4 6 8 10 M




*Prepared by* _____

*Verified by* _____

8—488

## NOTES

Form No. 1014—Met'1

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

# DAILY LOCAL RECORD.

*(Station)* _____, *(Day of week)* _____, *(Date)* _____, *193*

| Time (local standard) ____ mer. normal time. | A. M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 | P. M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Temperature at end of hour | | | | | | | | | | | | | | | | | | | | | | | | |
| State of weather. Nature of precipitation and time of beginning and ending | | | | | | | | | | | | | | | | | | | | | | | | |
| State of weather. Amounts of precipitation | | | | | | | | | | | | | | | | | | | | | | | | |
| State of weather. Cloudiness and other conditions | | | | | | | | | | | | | | | | | | | | | | | | |
| | Sunrise: Time, Character, ____ ____ Moonrise: ____ ____ | | | | | | | | | | | | | | | | | | | | Sunset: Time, Character, ____ ____ Moonset: ____ ____ | | | |
| Sunshine (in tenths of hours) | | | | | | | | | | | | | | | | | | | | | | | | |
| Wind direction | | | | | | | | | | | | | | | | | | | | | | | | |
| Wind movement | | | | | | | | | | | | | | | | | | | | | | | | |
| Maximum velocities (exceeding ____ miles) direction and time | | | | | | | | | | | | | | | | | | | | | | | | |

| Wind data corrected to true velocity. | Total duration. From— | To— | Total amount of precipitation. | Excessive rate. Began— | Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Excessive precipitation, accumulated amounts | | | | | | | | | | | | | | | | | | | | |

| Maximum Temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| | | | |

Total depth of snow for 24 hours ending ____ p. m., ____ inches.

Snow, sleet, and hail on ground ____ p. m., ____ inches.

Total snowfall, midnight to midnight, ____ inches.

Precipitation to ____ a. m., ____ ins.; to ____ p. m., ____ ins.

Total precipitation, midnight to midnight, ____ inches.

Character of day, ____ Moon phase, ____

Average daily cloudiness (0–10), ____

Actual sunshine, hours, ____ Possible sunshine, hours, ____

Per cent of possible sunshine, ____

Prevailing wind direction, ____ Total wind, ____

Average hourly velocity, ____ Extreme velocity, ____

Maximum velocity, ____ Direction, ____

Time began, ____ ____

Reduced barometer, ____ a. m. ____ p. m.

River gage, ____

Relative humidity, ____ a. m. ____ p. m.

OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

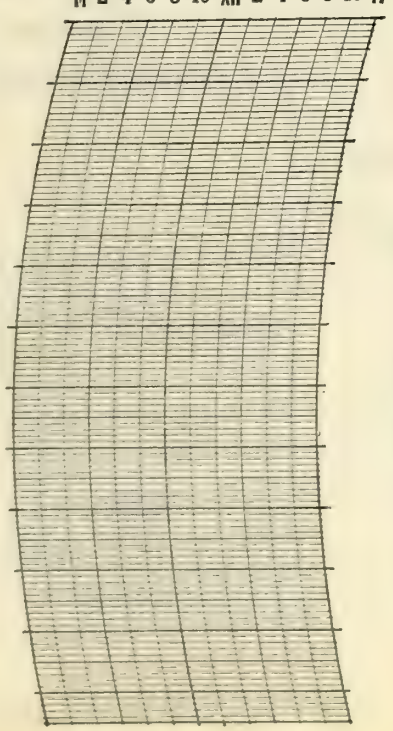
Dry temperature, ____ Wet temperature, ____

Dew-point, ____ R. humidity, ____ V. pressure, ____

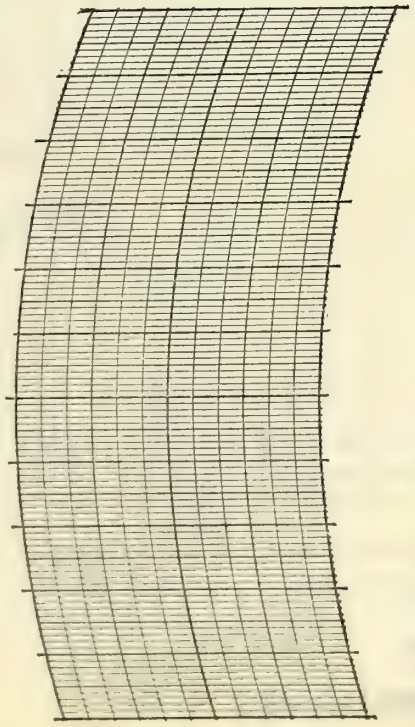
Clouds: Amount, ____; Kind, ____; Direction, ____

Velocity of clouds (miles per hour) ____

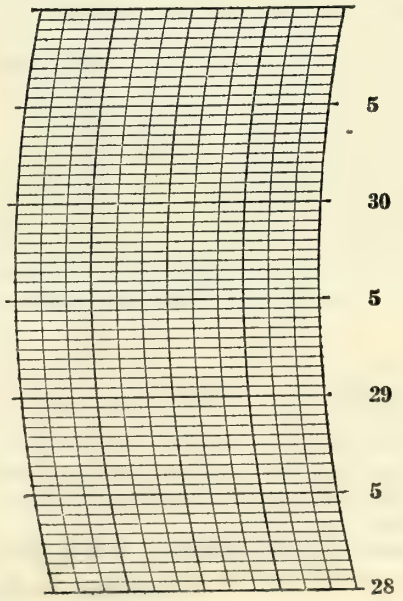
THERMOGRAPH




THERMOGRAPH




BAROGRAPH.




*Prepared by* _____

*Verified by* _____

8—486

## NOTES

Form No. 1014—Met'1

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

# DAILY LOCAL RECORD.

*(Station)* _____, *(Day of week)* _____, *(Date)* _____, *193*

| Time (local standard) ____ mer. normal time. | A. M. 12–1 | 1–2 | 2–3 | 3–4 | 4–5 | 5–6 | 6–7 | 7–8 | 8–9 | 9–10 | 10–11 | 11–12 | P. M. 12–1 | 1–2 | 2–3 | 3–4 | 4–5 | 5–6 | 6–7 | 7–8 | 8–9 | 9–10 | 10–11 | 11–12 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Temperature at end of hour | | | | | | | | | | | | | | | | | | | | | | | | |
| State of weather. Nature of precipitation and time of beginning and ending | | | | | | | | | | | | | | | | | | | | | | | | |
| State of weather. Amounts of precipitation | | | | | | | | | | | | | | | | | | | | | | | | |
| State of weather. Cloudiness and other conditions | | | | | | | | | | | | | | | | | | | | | | | | |
| | Sunrise: Time, Character, _____ _____ Moonrise: _____ _____ | | | | | | | | | | | | | | | | | | | | Sunset: Time, Character, _____ _____ Moonset: _____ _____ | | | |
| Sunshine (in tenths of hours) | | | | | | | | | | | | | | | | | | | | | | | | |
| Wind direction | | | | | | | | | | | | | | | | | | | | | | | | |
| Wind movement | | | | | | | | | | | | | | | | | | | | | | | | |
| Maximum velocities (exceeding ____ miles) direction and time | | | | | | | | | | | | | | | | | | | | | | | | |

| Wind data corrected to true velocity. | Total duration. From— | To— | Total amount of precipitation. | Excessive rate. Began— | Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Excessive precipitation, accumulated amounts | | | | | | | | | | | | | | | | | | | | |

| Maximum Temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| | | | |

Total depth of snow for 24 hours ending ____ p. m., ____ inches.

Snow, sleet, and hail on ground ____ p. m., ____ inches.

Total snowfall, midnight to midnight, ____ inches.

Precipitation to ____ a. m., ____ ins.; to ____ p. m., ____ ins.

Total precipitation, midnight to midnight, ____ inches.

Character of day, _____ Moon phase, _____

Average daily cloudiness (0–10), _____

Actual sunshine, hours, _____ Possible sunshine, hours, _____

Per cent of possible sunshine, _____

Prevailing wind direction, _____ Total wind, _____

Average hourly velocity, _____ Extreme velocity, _____

Maximum velocity, _____ Direction, _____

Time began, _____ _____

Reduced barometer, _____ a. m. _____ p. m.

River gage, _____

Relative humidity, _____ a. m. _____ p. m.

OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, _____ Wet temperature, _____

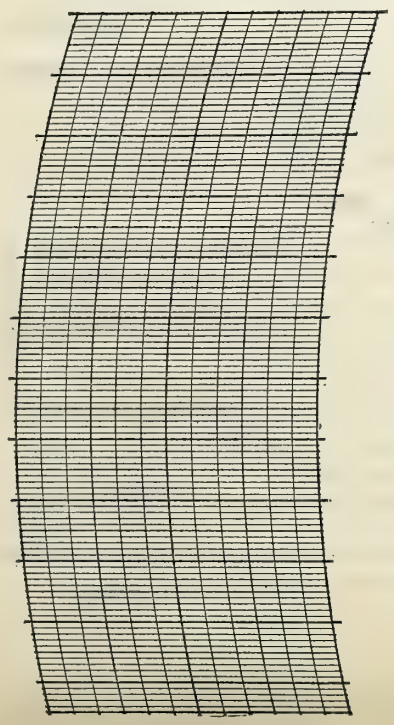
Dew-point, _____ R. humidity, _____ V. pressure, _____

Clouds: Amount, _____; Kind, _____; Direction, _____

Velocity of clouds (miles per hour) _____

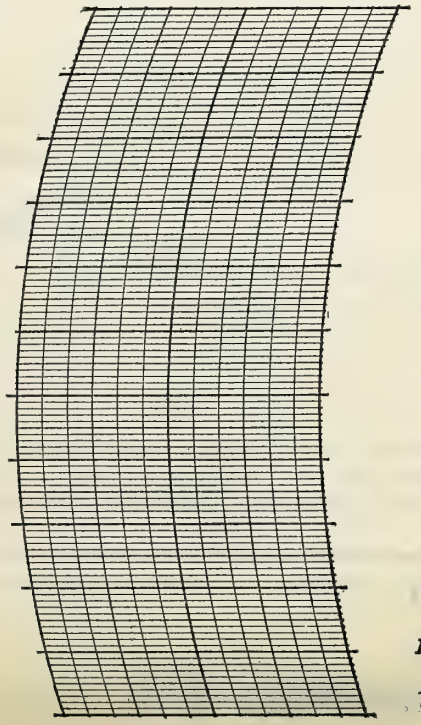
THERMOGRAPH

M 2 4 6 8 10 XII 2 4 6 8 10 M



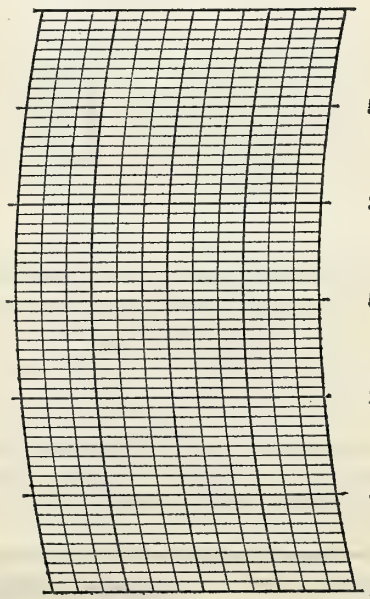
THERMOGRAPH

M 2 4 6 8 10 XII 2 4 6 8 10 M



BAROGRAPH.

M 2 4 6 8 10 XII 2 4 6 8 10 M




*Prepared by* _____

*Verified by* _____

8—486

## NOTES

Form No. 1014—Met'l

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

# DAILY LOCAL RECORD.

*(Station)* _____, *(Day of week)* _____, *(Date)* _____, *193*

| Time (local standard) ____ mer. normal time. | A. M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 | P. M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Temperature at end of hour | | | | | | | | | | | | | | | | | | | | | | | | |
| State of weather. Nature of precipitation and time of beginning and ending | | | | | | | | | | | | | | | | | | | | | | | | |
| State of weather. Amounts of precipitation | | | | | | | | | | | | | | | | | | | | | | | | |
| State of weather. Cloudiness and other conditions | | | | | | | | | | | | | | | | | | | | | | | | |
| | Sunrise: Time, Character, _____ _____ Moonrise: _____ _____ | | | | | | | | | | | | | | | | | | | | Sunset: Time, Character, _____ _____ Moonset: _____ _____ | | | |
| Sunshine (in tenths of hours) | | | | | | | | | | | | | | | | | | | | | | | | |
| Wind direction | | | | | | | | | | | | | | | | | | | | | | | | |
| Wind movement | | | | | | | | | | | | | | | | | | | | | | | | |
| Maximum velocities (exceeding ____ miles) direction and time | | | | | | | | | | | | | | | | | | | | | | | | |

Wind data corrected to true velocity.

| | Total duration. From— | To— | Total amount of precipitation. | Excessive rate. Began— | Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Excessive precipitation, accumulated amounts | | | | | | | | | | | | | | | | | | | | |

| Maximum Temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| | | | |

Total depth of snow for 24 hours ending ____ p. m., ____ inches.

Snow, sleet, and hail on ground ____ p. m., ____ inches.

Total snowfall, midnight to midnight, ____ inches.

Precipitation to ____ a. m., ____ ins.; to ____ p. m., ____ ins.

Total precipitation, midnight to midnight, ____ inches.

Character of day, _____ Moon phase, _____

Average daily cloudiness (0-10), _____

Actual sunshine, hours, _____ Possible sunshine, hours, _____

Per cent of possible sunshine, _____

Prevailing wind direction, _____ Total wind, _____

Average hourly velocity, _____ Extreme velocity, _____

Maximum velocity, _____ Direction, _____

Time began, _____ _____

Reduced barometer, _____ a. m. _____ p. m.

River gage, _____

Relative humidity, _____ a. m. _____ p. m.

OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

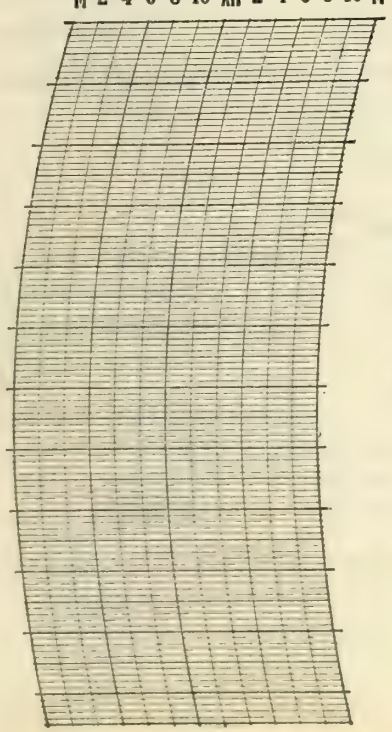
Dry temperature, _____ Wet temperature, _____

Dew-point, _____ R. humidity, _____ V. pressure, _____

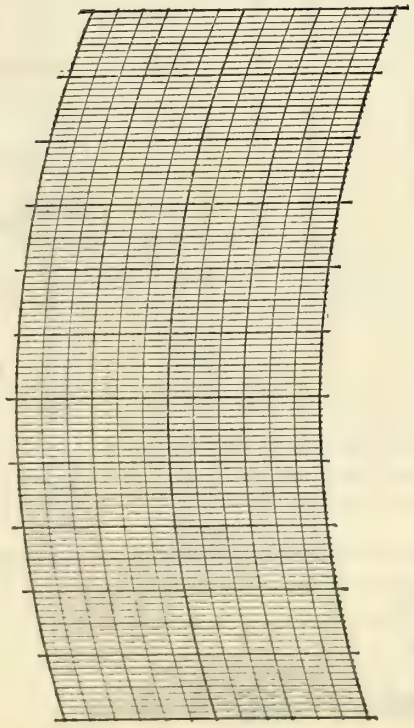
Clouds: Amount, _____; Kind, _____; Direction, _____

Velocity of clouds (miles per hour) _____

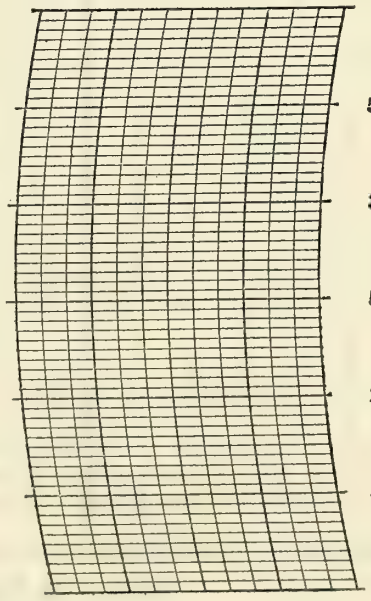
THERMOGRAPH




THERMOGRAPH




BAROGRAPH.




*Prepared by* _____

*Verified by* _____

8—486

## NOTES

Form No. 1014—Met'l

# U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## DAILY LOCAL RECORD.

*(Station)* _____, *(Day of week)* _____, *(Date)* _____, *193*

| Time (local standard) ____ mer. normal time. | A. M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 | P. M. 12-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Temperature at end of hour | | | | | | | | | | | | | | | | | | | | | | | | |
| State of weather. Nature of precipitation and time of beginning and ending | | | | | | | | | | | | | | | | | | | | | | | | |
| State of weather. Amounts of precipitation | | | | | | | | | | | | | | | | | | | | | | | | |
| State of weather. Cloudiness and other conditions | | | | | | | | | | | | | | | | | | | | | | | | |
| | Sunrise: Time, Character, ____ ____ Moonrise: ____ ____ | | | | | | | | | | | | | | | | | | | | Sunset: Time, Character, ____ ____ Moonset: ____ ____ | | | |
| Sunshine (in tenths of hours) | | | | | | | | | | | | | | | | | | | | | | | | |
| Wind direction | | | | | | | | | | | | | | | | | | | | | | | | |
| Wind movement | | | | | | | | | | | | | | | | | | | | | | | | |
| Maximum velocities (exceeding ____ miles) direction and time | | | | | | | | | | | | | | | | | | | | | | | | |

| Wind data corrected to true velocity. | Total duration. From— | To— | Total amount of precipitation. | Excessive rate. Began— | Ended— | Amount before excessive began. | Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min. | 10 min. | 15 min. | 20 min. | 25 min. | 30 min. | 35 min. | 40 min. | 45 min. | 50 min. | 60 min. | 80 min. | 100 min. | 120 min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Excessive precipitation, accumulated amounts | | | | | | | | | | | | | | | | | | | | |

| Maximum Temperature. | Minimum temperature. | Mean temperature. | Normal temperature. |
|---|---|---|---|
| | | | |

Total depth of snow for 24 hours ending ____ p. m., ____ inches.

Snow, sleet, and hail on ground ____ p. m., ____ inches.

Total snowfall, midnight to midnight, ____ inches.

Precipitation to ____ a. m., ____ ins.; to ____ p. m., ____ ins.

Total precipitation, midnight to midnight, ____ inches.

Character of day, ____ Moon phase, ____

Average daily cloudiness (0-10), ____

Actual sunshine, hours, ____ Possible sunshine, hours, ____

Per cent of possible sunshine, ____

Prevailing wind direction, ____ Total wind, ____

Average hourly velocity, ____ Extreme velocity, ____

Maximum velocity, ____ Direction, ____

Time began, ____ ____

Reduced barometer, ____ a. m. ____ p. m.

River gage, ____

Relative humidity, ____ a. m. ____ p. m.

### OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, ____ Wet temperature, ____

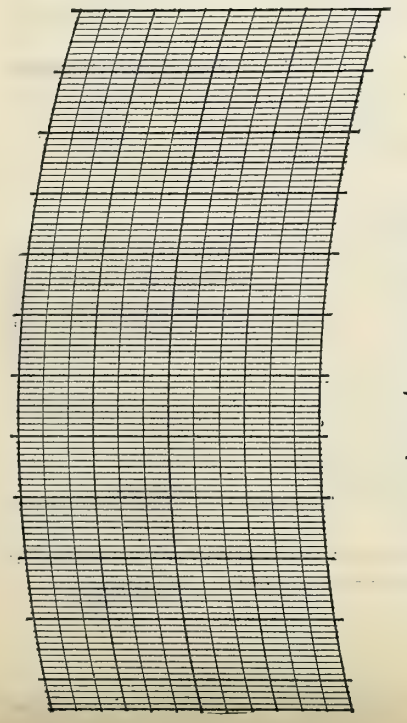
Dew-point, ____ R. humidity, ____ V. pressure, ____

Clouds: Amount, ____; Kind, ____; Direction, ____

Velocity of clouds (miles per hour) ____

THERMOGRAPH

M 2 4 6 8 10 XII 2 4 6 8 10 M



THERMOGRAPH

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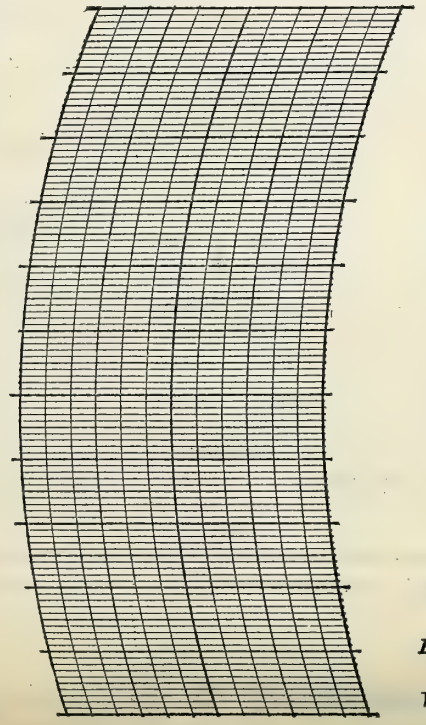
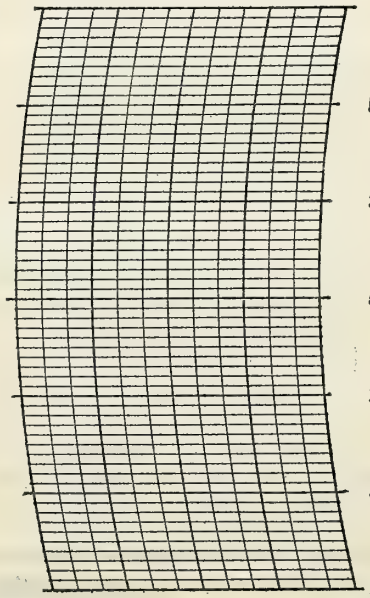


BAROGRAPH.

M 2 4 6 8 10 XII 2 4 6 8 10 M




*Prepared by* _____

*Verified by* _____

8—486

## NOTES

# INDEX, DAILY LOCAL RECORD, 193

| SUBJECTS. | JANUARY. | FEBRUARY. | MARCH. | APRIL. | MAY. | JUNE. | JULY. | AUGUST. | SEPTEMBER. | OCTOBER. | NOVEMBER. | DECEMBER. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Auroras | | | | | | | | | | | | |
| Clouds, special formation | | | | | | | | | | | | |
| Cold waves | | 8 | | | | | | | | | 15 | 27 |
| Dew, heavy deposits of | | | | | 12 | | | | | | | |
| Droughts | | | | | | | | | | | | |
| Earthquakes | | | | | | | | | | | | |
| Fires, forest | | | | | | | | | | 29,30,31 | | 20,31 |
| Fog, light | | 7,13,14 | 7,13,14,18,19,20 | 2,14,17 | 5,6,9 | | | 11 | 14,16,28,29 | 2,3,5,6,7,8 | 6,18,21 | 3,4,5,16,17,18,19, |
| Fog, dense | 21,22,31 | 14 | 14,20 | | 5,6 | | | | | 8,30 | | 4,16,17 |
| Floods, other than in rivers | | | | | | | | | | | | |
| Frosts, light | | | | 4,8,28 | 4 | 14,15 | | | | 18,19<br>2,3,4,5,6<br>25,26 | | |
| Heavy | | | | 22,23,24,26,27 | | | | | | 8,13,14,23 | | |
| Killing | | | 29* | | | | | | | | 4 | |
| First killing after July 15 | | | | | | | | | | | 4 | |
| Last killing before July 15 | | | 29* | | | | | | | | | |
| Last heavy before July 15 | | | | 27 | | | | | | | | |
| First heavy after July 15 | | | | | | | | | | 8 | | |
| Hail, *See* Precipitation | | | 13 | 10 | | | | | | | | |
| Ice | | | | | | | | | | | | |
| Lightning, damage by | | | | | | | | | 5 | | | |
| Deaths by | | | | | | | | | | | | |
| Meteors | | | | | | | | | | | | |
| Navigation, opening | | | | | | | | | | | | |
| Closing | | | | | | | | | | | | |
| Impeded | | | | | | | | | | | | |
| Observations, not taken | | | | | | | | | | | | 3 |
| Taken late | | | | | | | | | | | 19,27 | 10 |
| Special | 7 | | | | | | | | | | 25 | 4,5,13,15,16, |
| Optical phenomena, haze | | | | | | | | | | | 4,6,21,22,23, | 9,10,17,18,20 |
| Coronæ | | | | | | | | | | | | |
| Halo, lunar | | 13 | 10 | | | | | | | 2,28 | 28,29 | 5 |
| Solar | 8,10,20 | 17,24 | 9,12,16,17,24 | 4,8,24,27,28 | 1,4,9,11,19 | 5,9,12,17 | 7,14 | 9 | 23 | 1,10,20,24 | 8,28 | 1,18,22,25 |
| Parhelia | 8 | | | 13 | | | | | | | | |
| Parselenæ | | | | | | | | | | | | |
| Rainbows | | | | | | | | | | | | |
| Sunrise, peculiar | | | | | | | | | | | | |
| Sunset, peculiar | | | | | | | | | | | | |
| Zodiacal light | | | | | | | | | | | | |
| Precipitation, rain, heavy | | | 13 | | 1,5,8,11 | | 2 | | 2 6 5,16,30 | | | |
| Excessive | | | | | | | | | 26,5,16,30 | | | |

8—436

ENTER DATES, NOT PAGES.

* Freezing temperature

# INDEX, DAILY LOCAL RECORD, 1933

| SUBJECTS. | JANUARY. | FEBRUARY. | MARCH. | APRIL. | MAY. | JUNE. | JULY. | AUGUST. | SEPTEMBER. | OCTOBER. | NOVEMBER. | DECEMBER. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Precipitation—Continued.** | | | | | | | | | | | | |
| Sleet | | | | | | | | | | | 11<br>16 26 | 8-9-10-11 |
| Snow, light | 27, 30 | 4, 6, 7 | 10, 21 | | | | | | | | 7, 8, 9, 10, 13, | 24-25-26-27-28 |
| Heavy | | | 25 | | | | | | | | 14, 15 | |
| Hail | | | 13 | | | | | | | | | |
| Wet periods | | | 13-14, 18-22 | | all month | | | | | | | |
| Rivers, rapid rise | | | 13 | | 2, 6, 9<br>14 | | | | | | | |
| Flood stages | | | | | 9, 10, 11, 12, 13 | | | | | | | |
| Low-water stages, unusual | | | | | | | | | | | | |
| High water, periods of | | | 13-16, 20-22 | | 9 – 14 | | | | | | | |
| Frozen | | 6-28 | | | | | | | | | | 12-14 |
| Floating débris | | | | | | | | | | | | |
| Gorges | | | | | | | | | | | | |
| Running ice | | 23 | | | | | | | | | | |
| Warnings. *See* Warnings | | | | | | | | | | 30<br>13, 24, 25, 26 | | 28 |
| Smoke, light | | 27 | 5, 7 | | | | | | | 2, 3, 4, 5, 6, 10 | 1, 2, 0, 2 8 | 1, 2, 5, 8, 12, 23 |
| Dense | | 28 | | | | 19, 20, 21, 27, 28 | | | | | | |
| Temperature, unusually high | | | | | | 6, 7, 8, 10, 11, | 22, 23 | | 8, 9 | 31 | 1, 2 | |
| Unusually low | | 9 | | | | 14, 15 | 16, 17 | | | | 15-16 | 27 |
| Sudden rise | | | | | | | | | | | 14-15 | 26 |
| Sudden fall | | | | | | 19-21 27-28<br>6-8 10-11 | 22-23 | | | | 1 7 2 | ~~26~~ 29 |
| Periods of high | | | | | | 14-15 | 16-17 | | | | 14-16 | 26 to 29 |
| Periods of low | | 8-12 | | | 24, 26 | 25, 28, 29 | | | 22, 26 | | | |
| Thunderstorms | | | 13<br>South part of 13 county. | 10, 30 | 1, 9, 11, 13, 19, | 6, 12, 21, 24, | 2, 23, 24, 31 | 1, 2, 16, 17, 26 | 4, 5, 11, 16, 19 | 21 | 29 | |
| Tornadoes | | | | | | | | | | | | |
| Warnings, advisory | | | | | | | | | | | | |
| Cold wave | | | | | | | | | | | 14 | 24, 26, 31 |
| Emergency | | | | | | | | | | 18, 22, 25 | | |
| Frost | | | | 22, 25, 26, 27 | 3 | | | | 27 | 5, 9, 12, 13 | 3, 7 | |
| Hurricane | | | | | | | | | | | | |
| Rapid rise in river | | | | | | | | | | | | |
| Flood | | | | | | | | | | 27 | 15, 17, 25, 26, 27, 29 | |
| Winds, 22 to 31 miles per hour | | | 25,<br>8, 9, 12, 15, 21, | | 1, 13, 26, 29 | 25, 29 | none | none | 17, 19, 20 | 1, 16, 19, 21, 24 | 9, 11, 12, 13, 14 | 10-11-15-20-24-26 |
| 32 miles per hour, or over | | 1, 21 | | | | | | | | | | |
| Hurricanes | | | | | | | | | | | | |
| Heat, deaths by | | | | | | 8 | | | | | | |

8—486

ENTER DATES, NOT PAGES.

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BINDERY, INC.
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